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BEST AVAILABLE COPY

Fig.1B

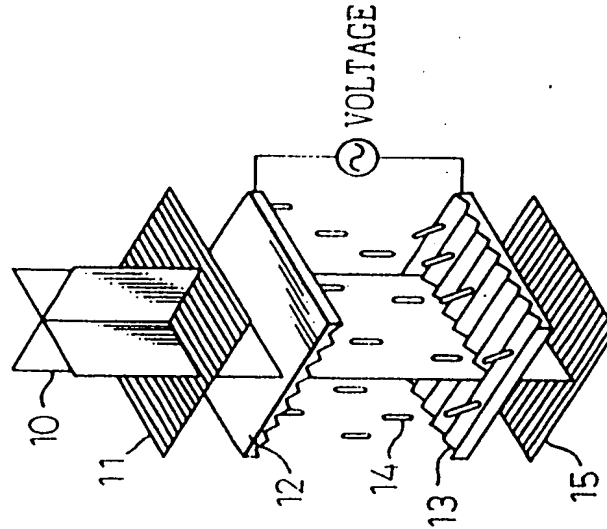
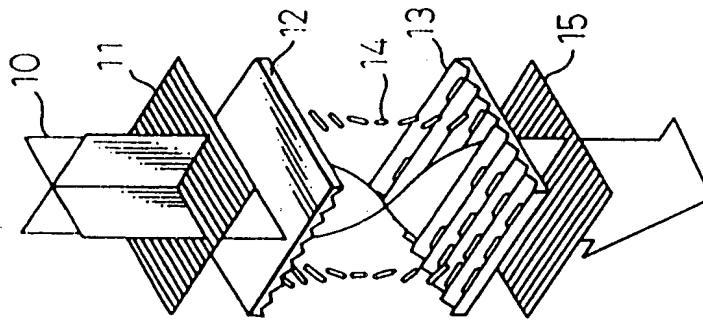


Fig.1A





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Fig. 2C

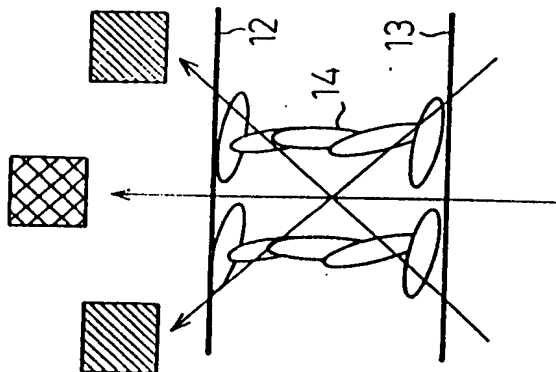


Fig. 2B

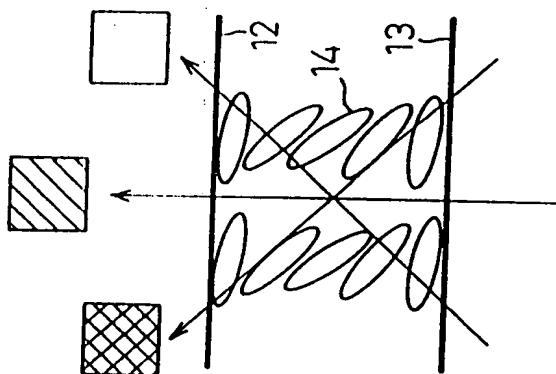
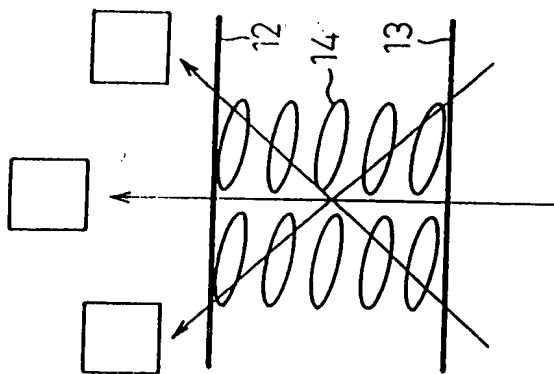


Fig. 2A



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Fig. 3A

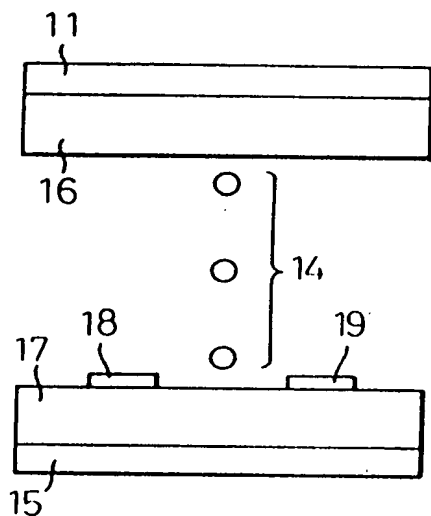


Fig. 3C

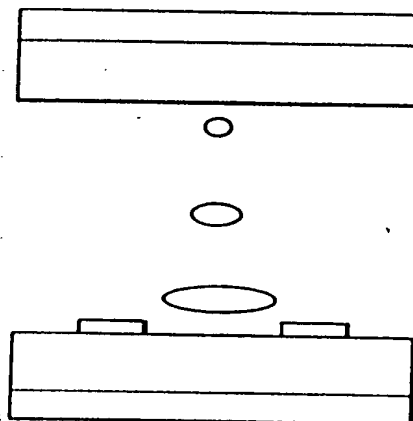


Fig. 3B

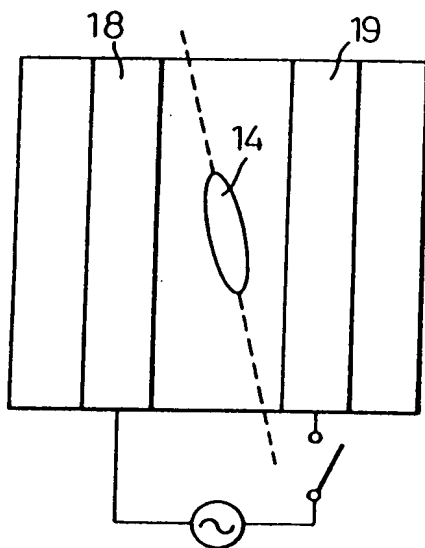
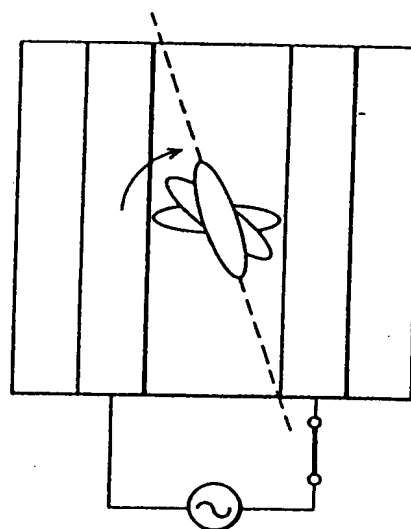
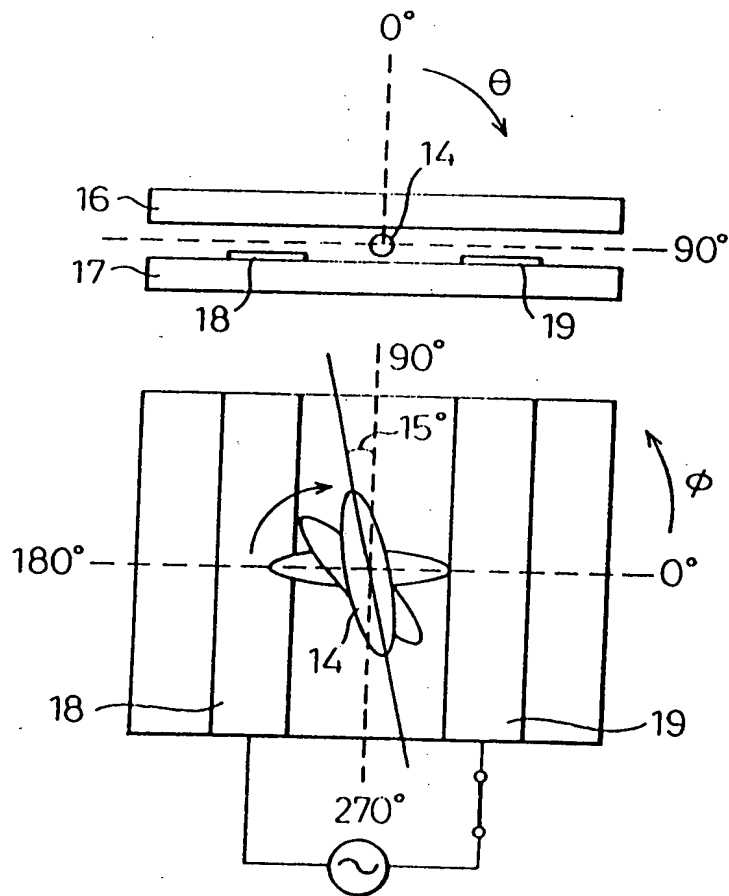


Fig. 3D



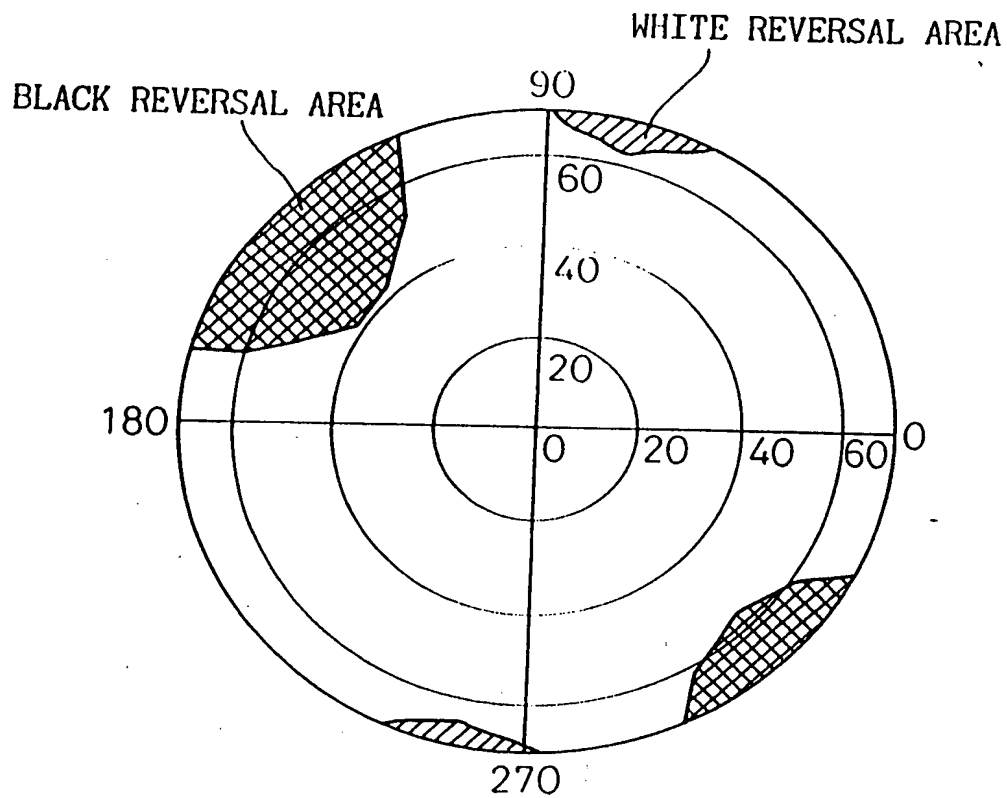
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Fig. 4



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Fig. 5



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Fig. 6A

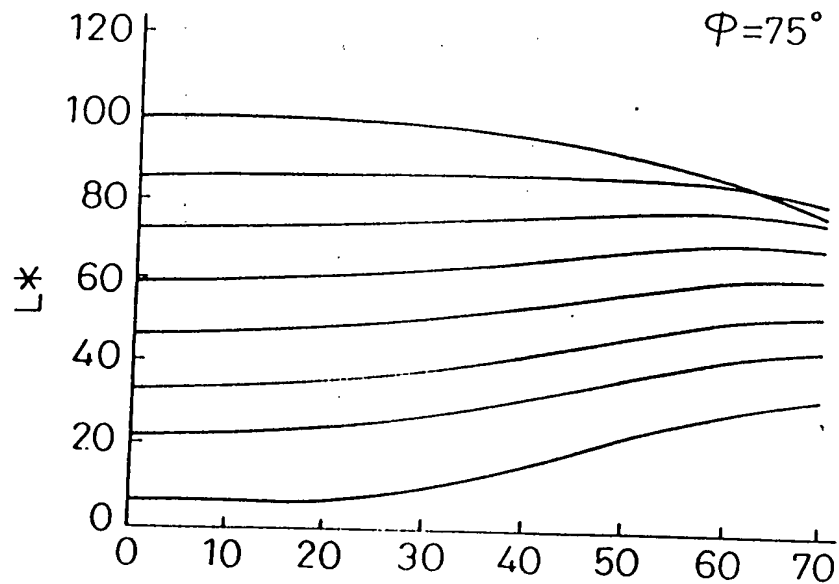
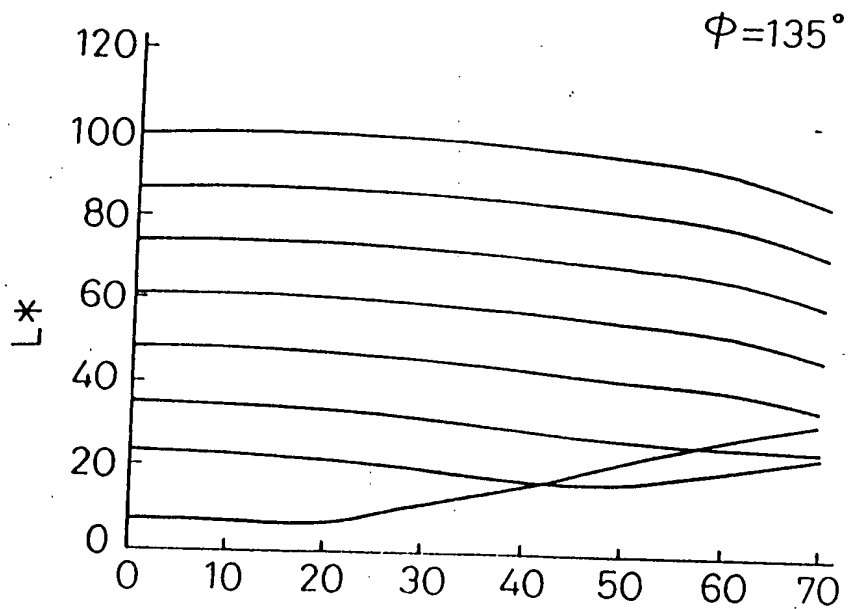
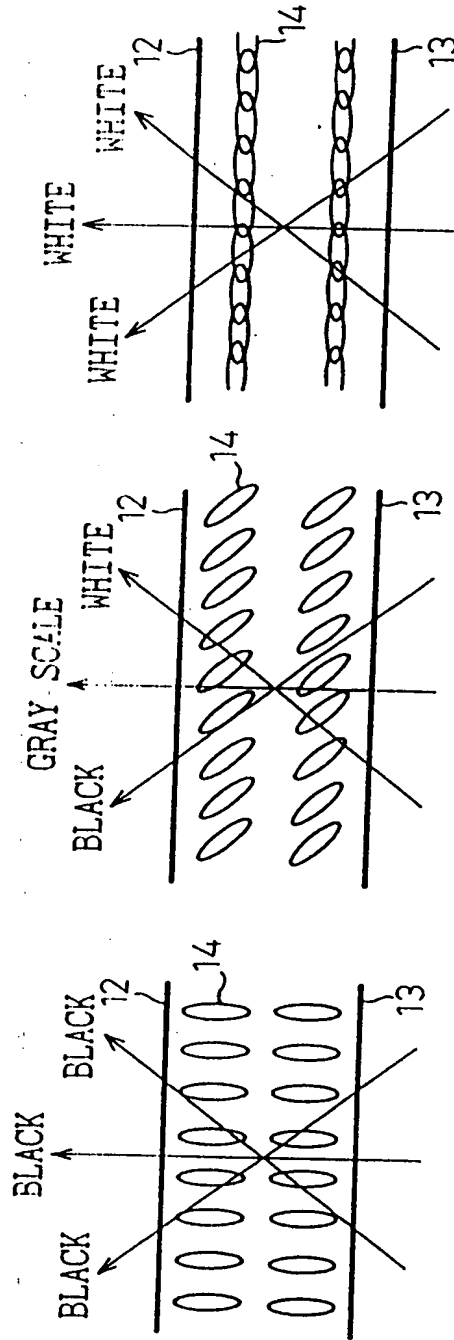


Fig. 6B



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Fig.7A Fig.7B Fig.7C



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Fig.8A

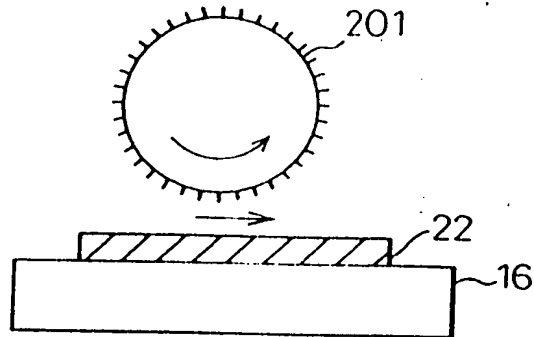


Fig.8B

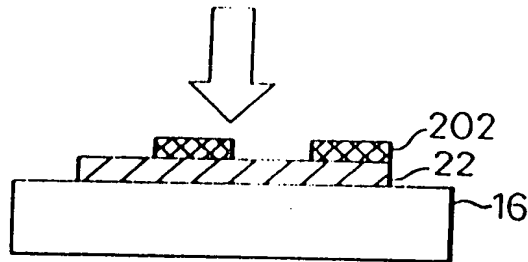


Fig.8C

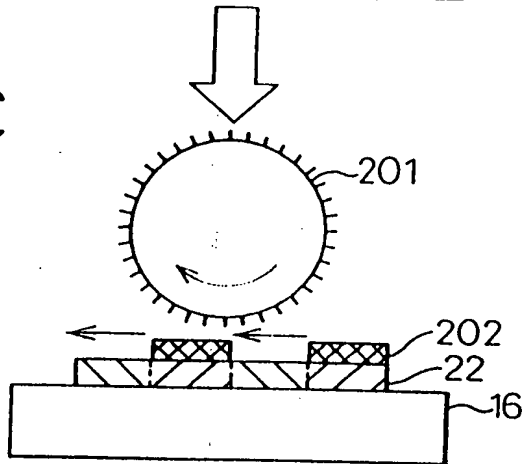
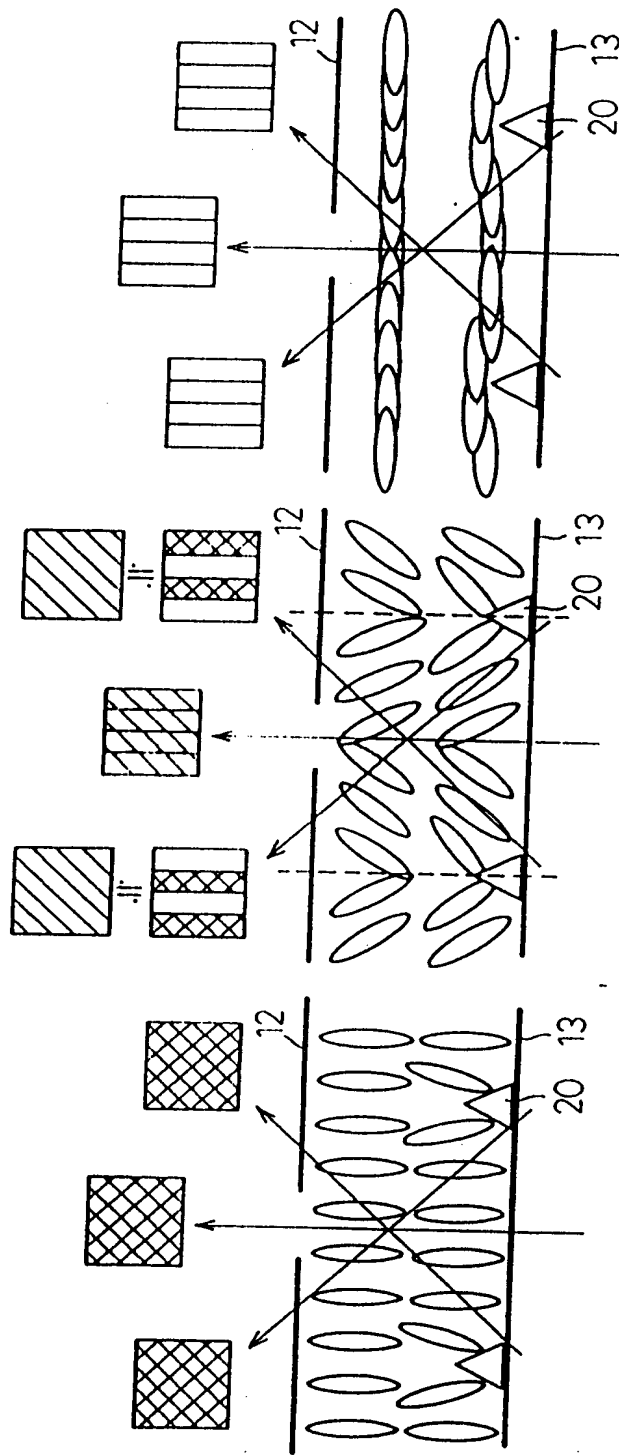




Fig.9A

Fig.9B

Fig.9C



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Fig.10A

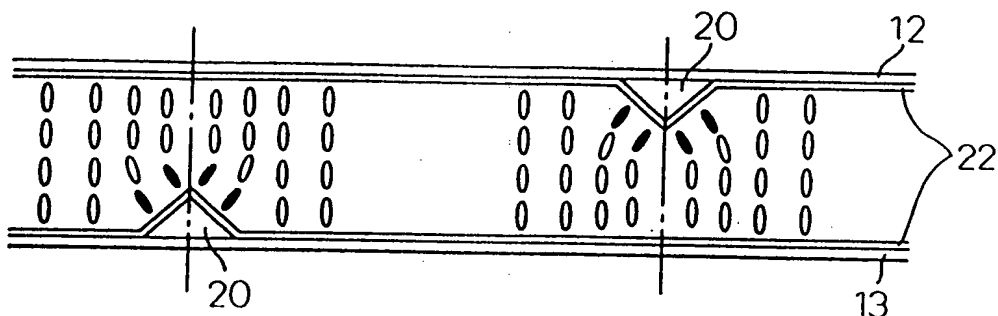


Fig.10B

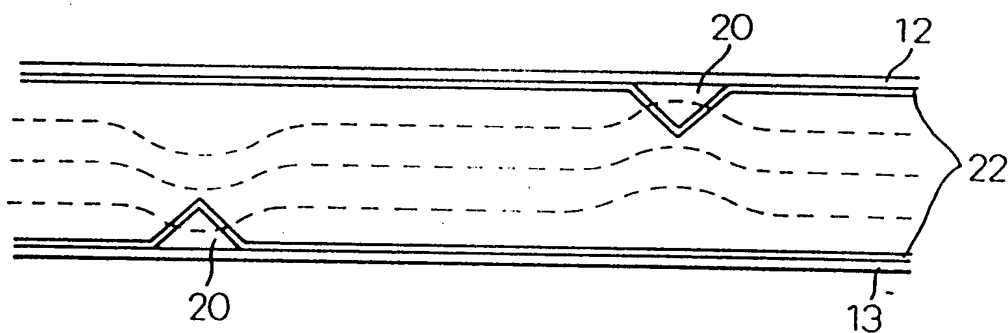
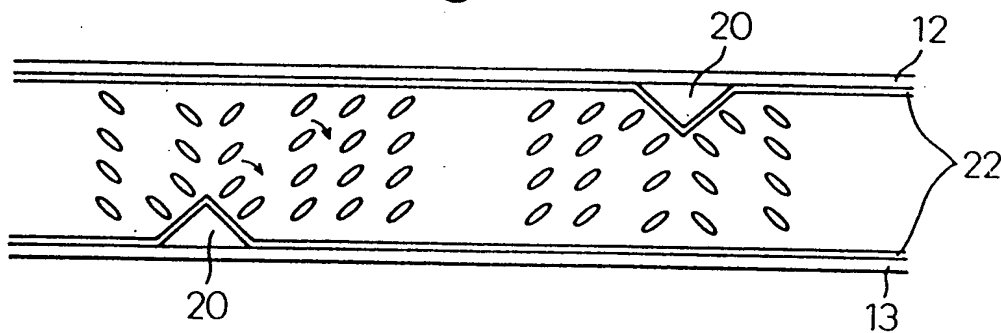


Fig.10C



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Fig.11A

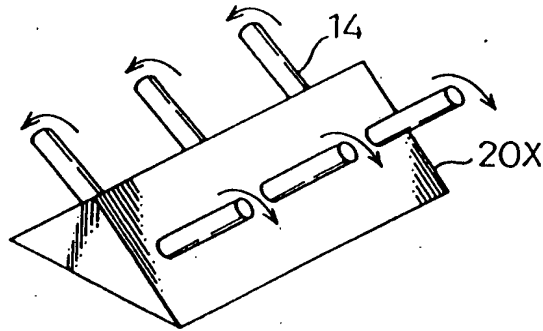


Fig.11B

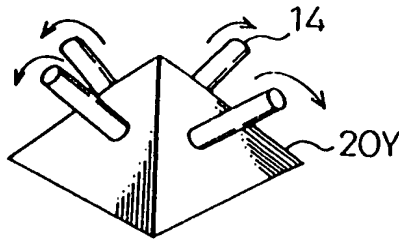
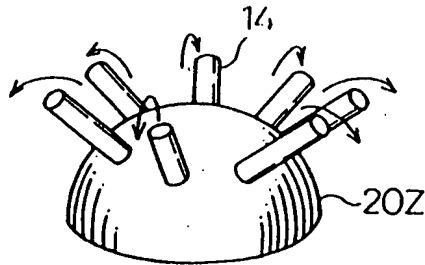


Fig.11C



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Fig.12A

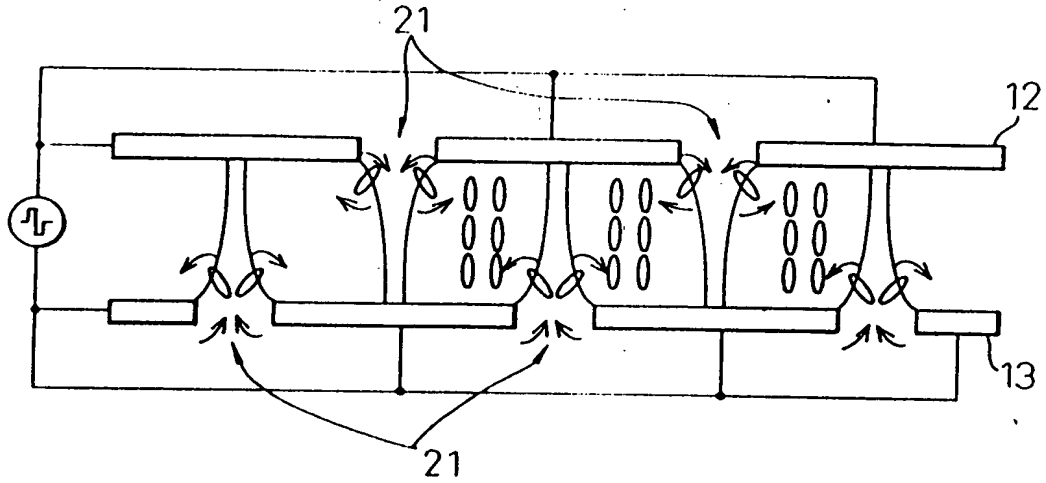


Fig.12B

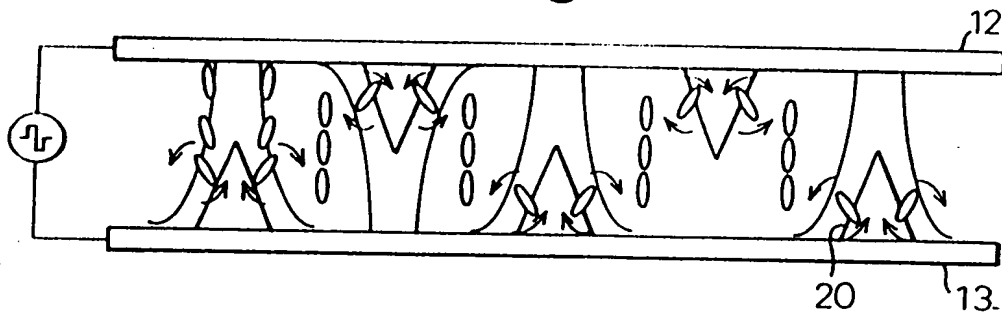
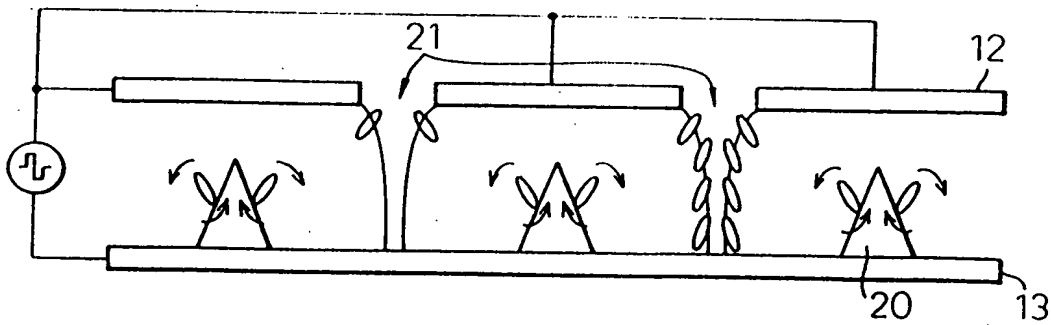
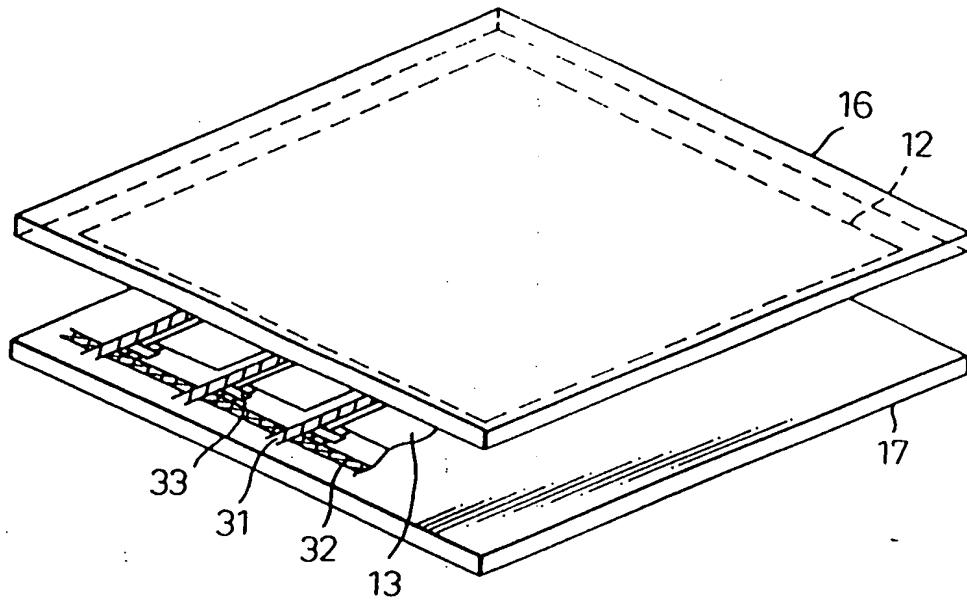


Fig.12C



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Fig.13



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Fig.14A

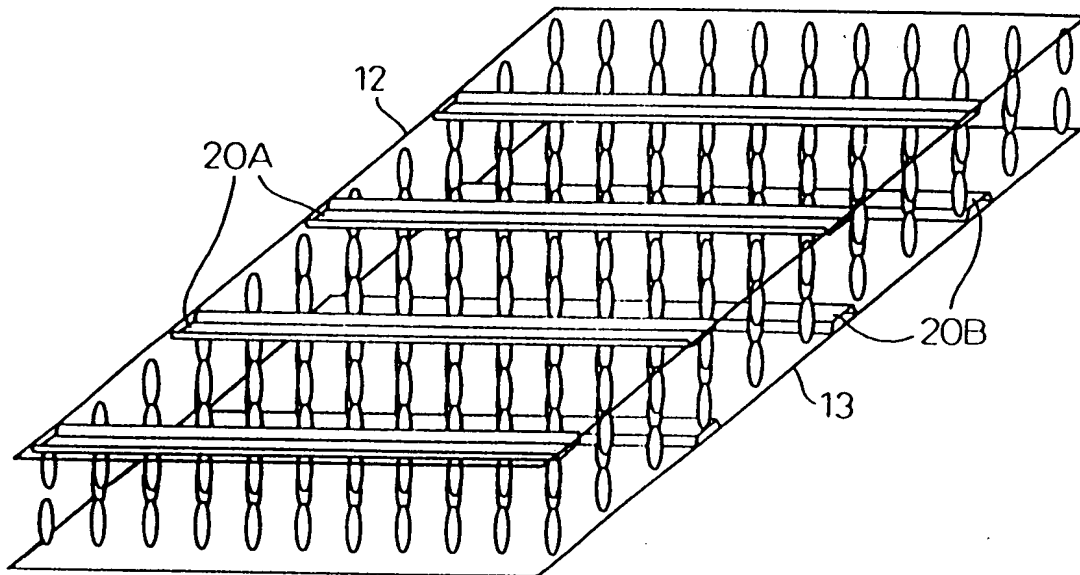
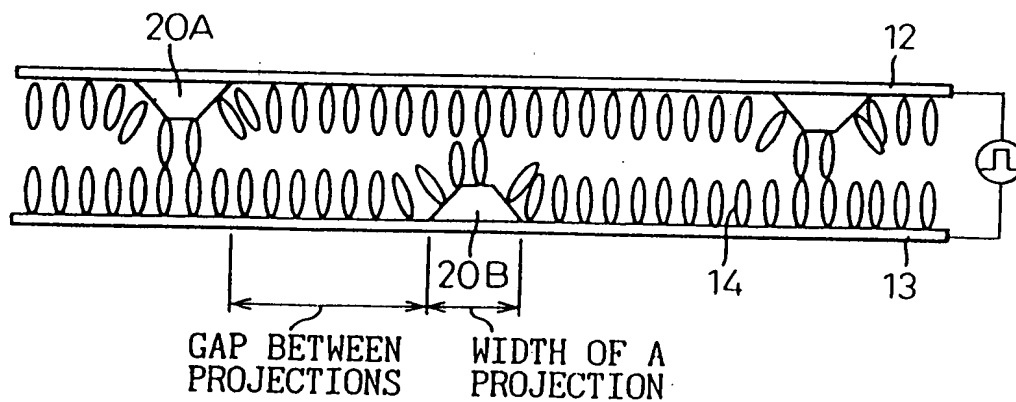
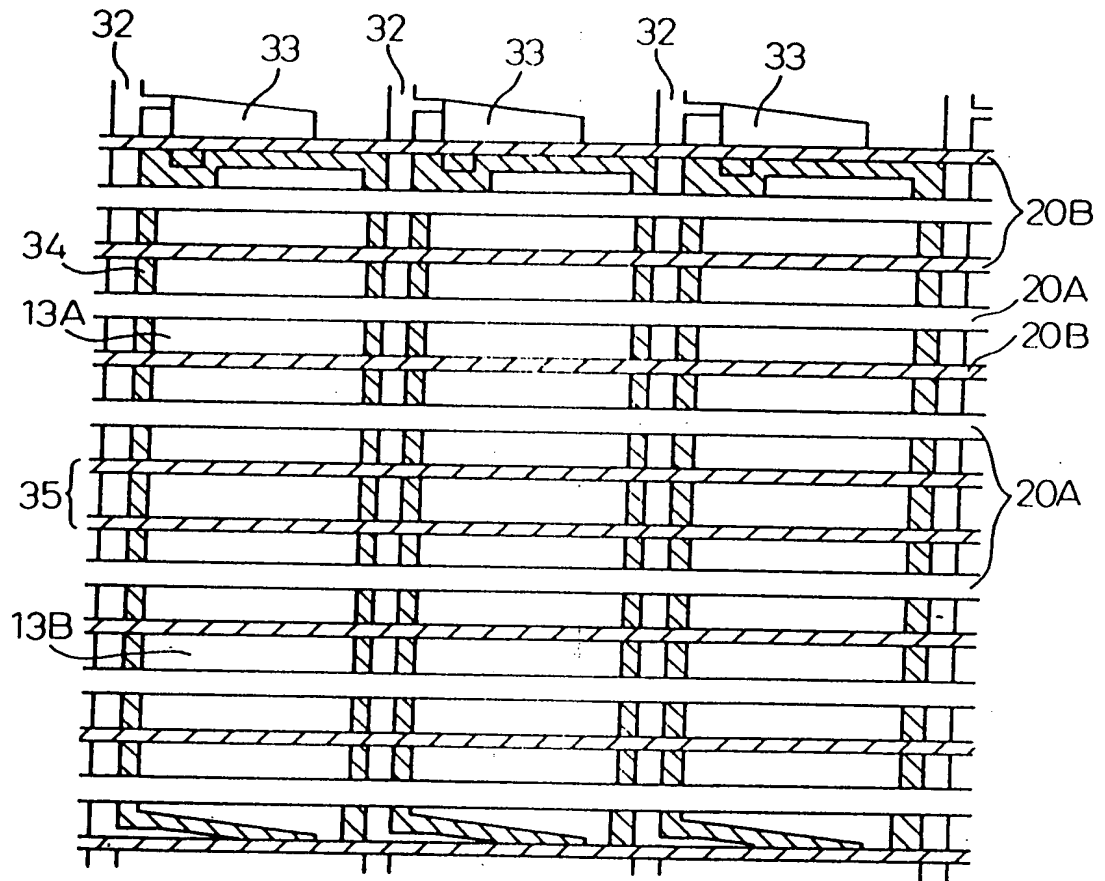


Fig.14B



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Fig. 15



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Fig.16

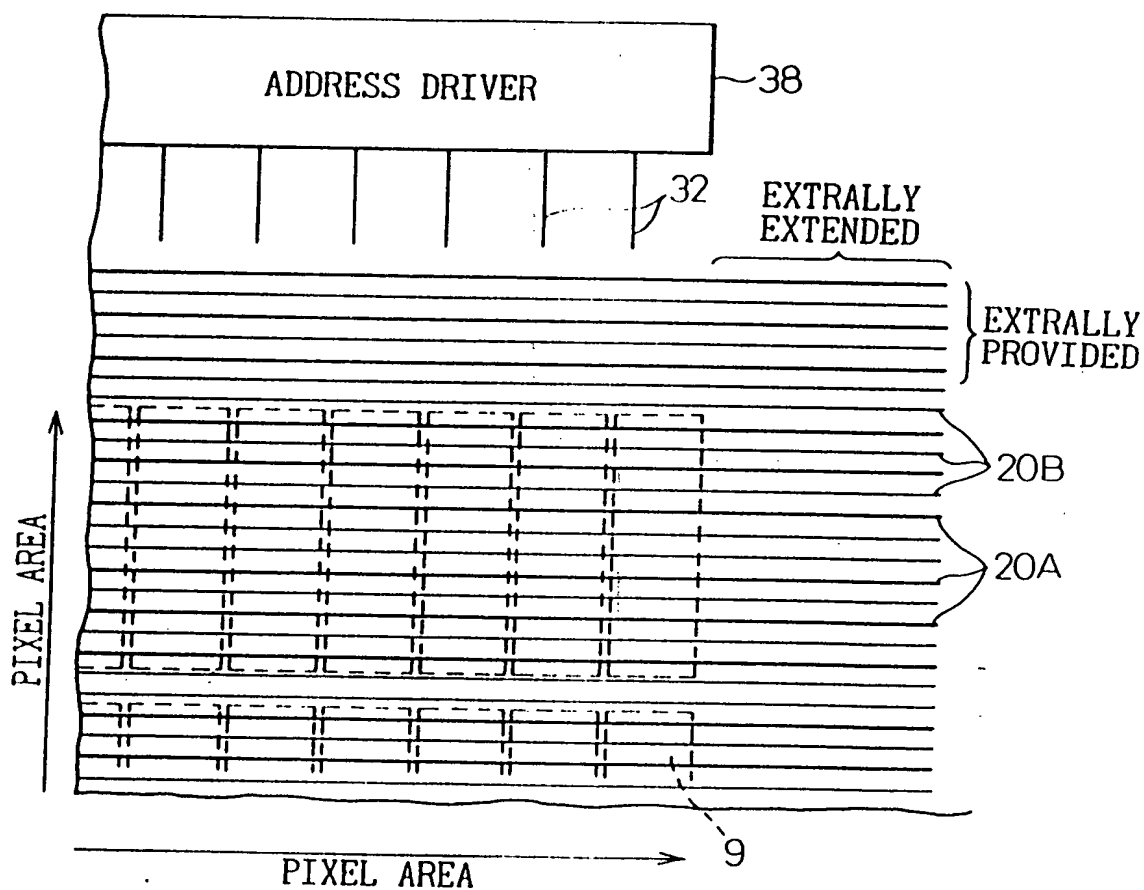
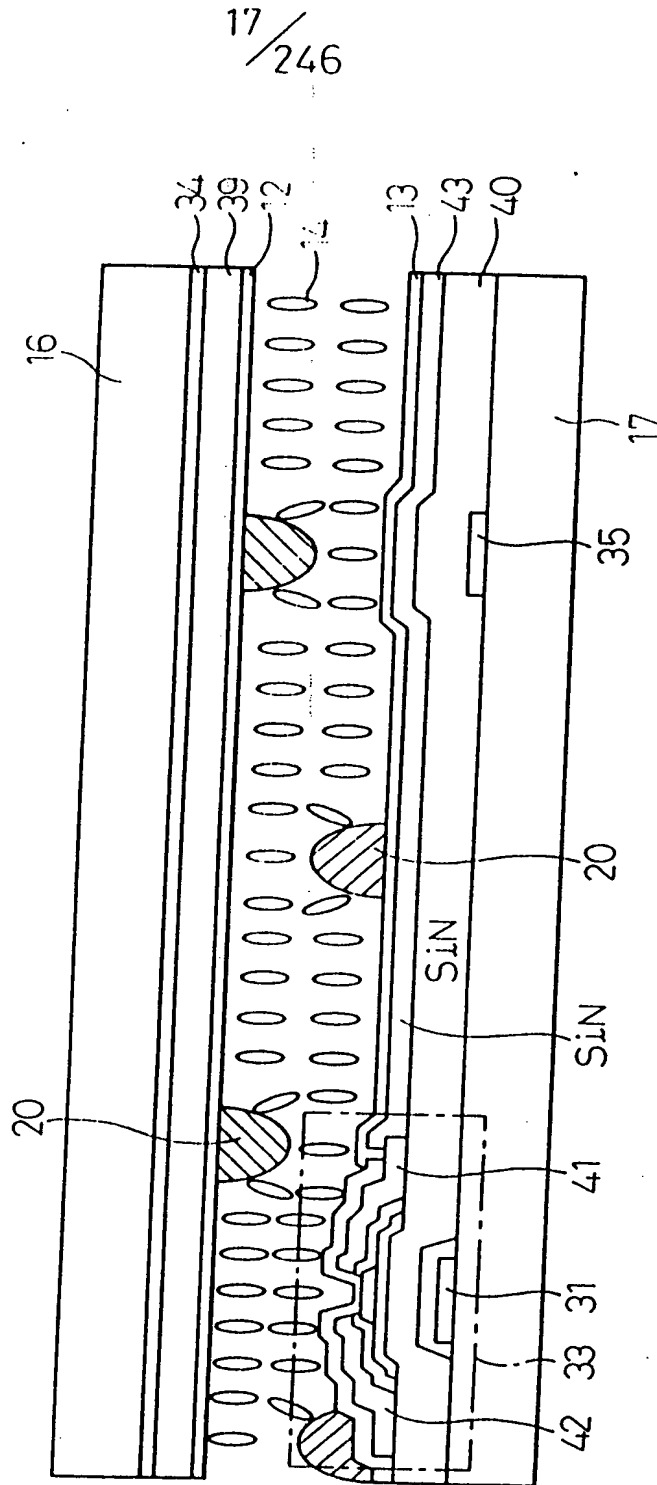




Fig. 17



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Fig.18A

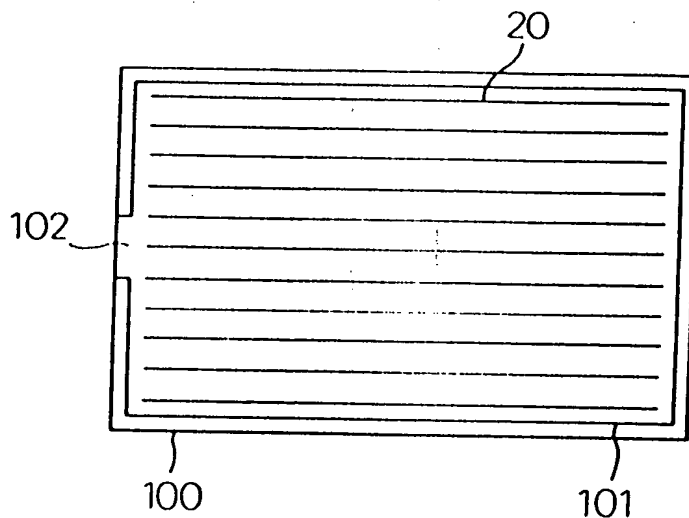


Fig.18B

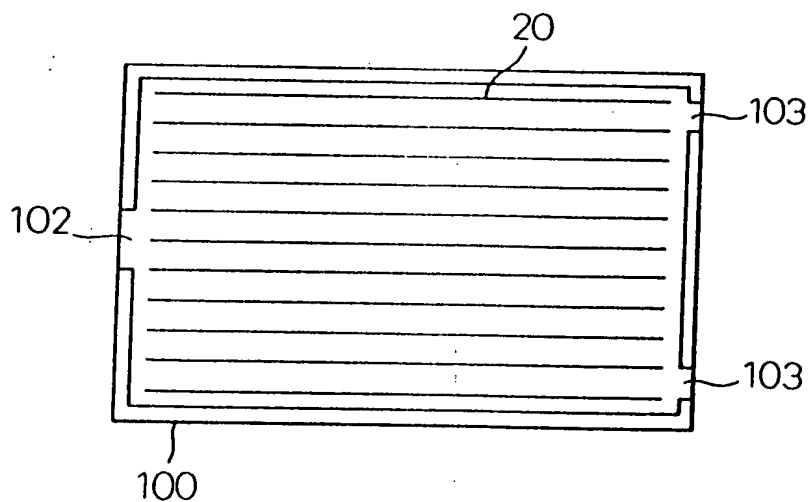
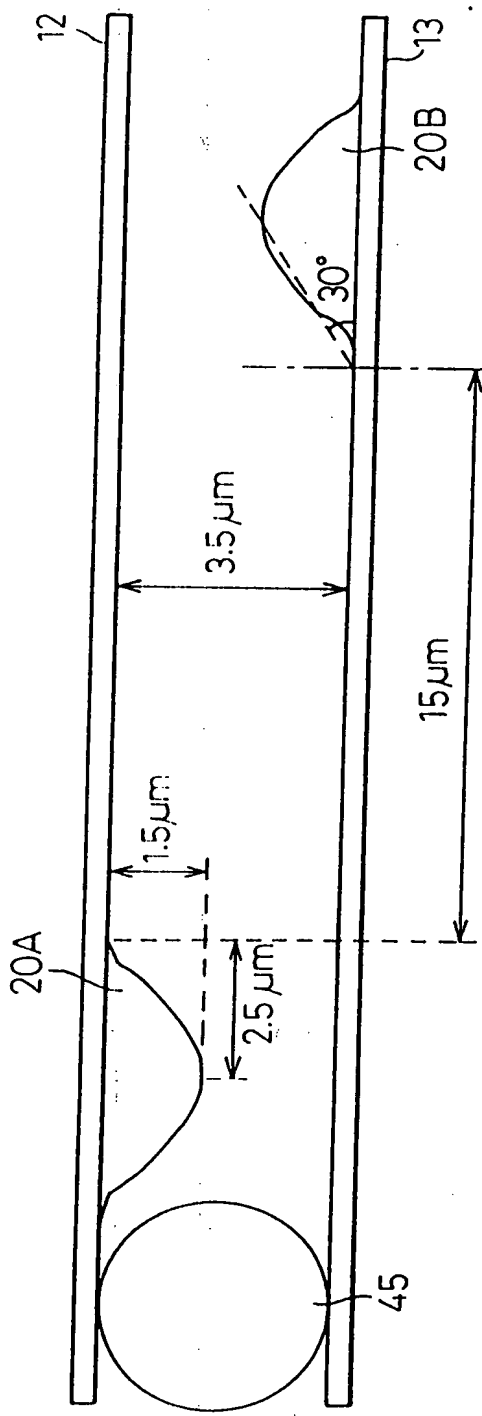


Fig. 19



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Fig. 20A  
 ON RESPONSE SPEED

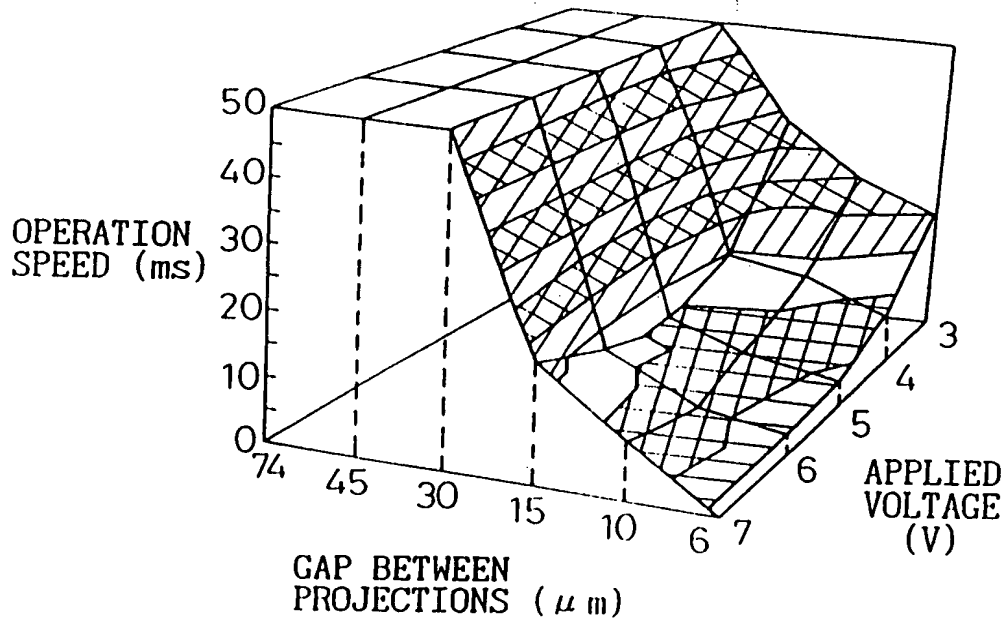
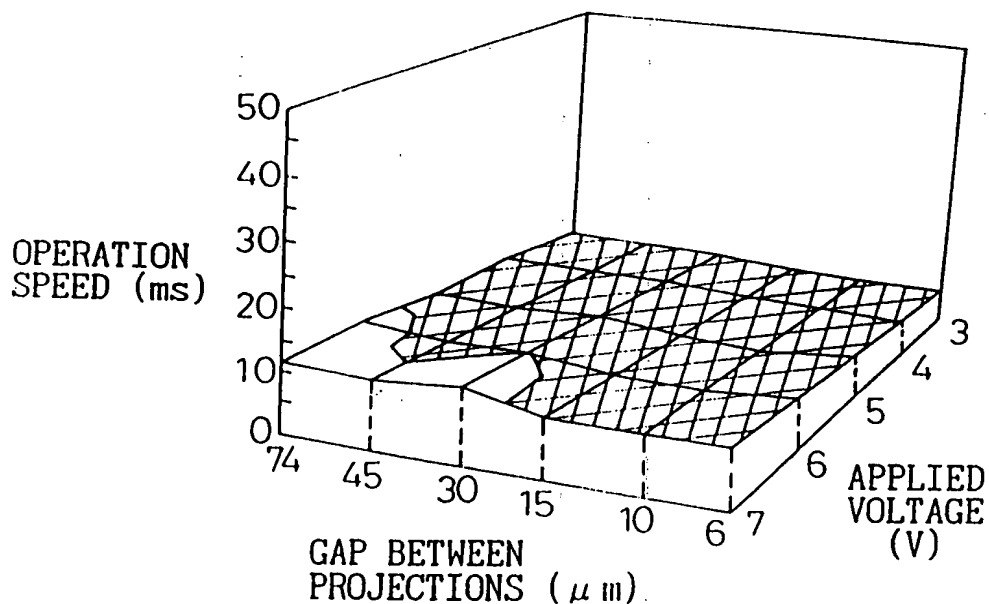
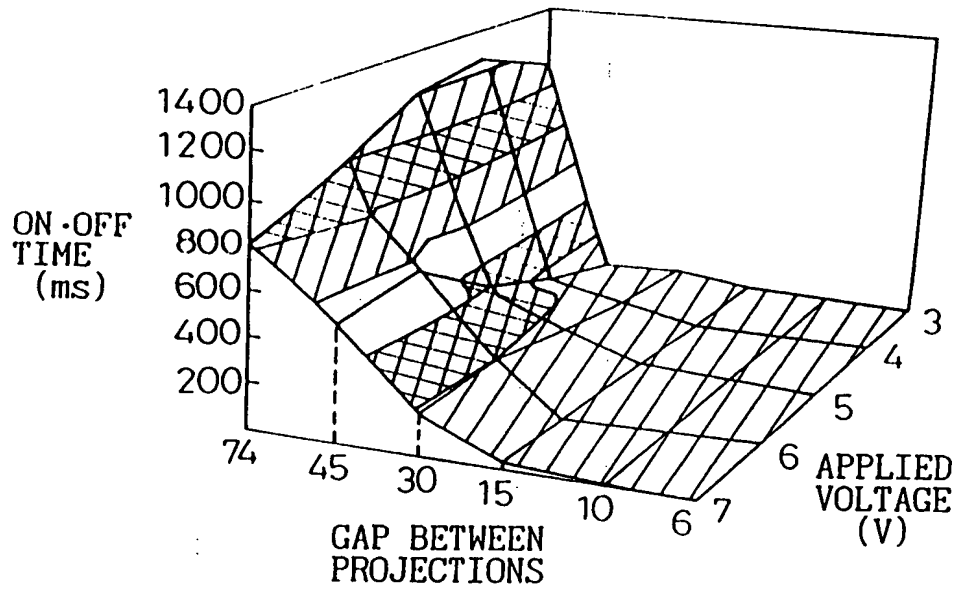


Fig. 20B  
 OFF RESPONSE SPEED



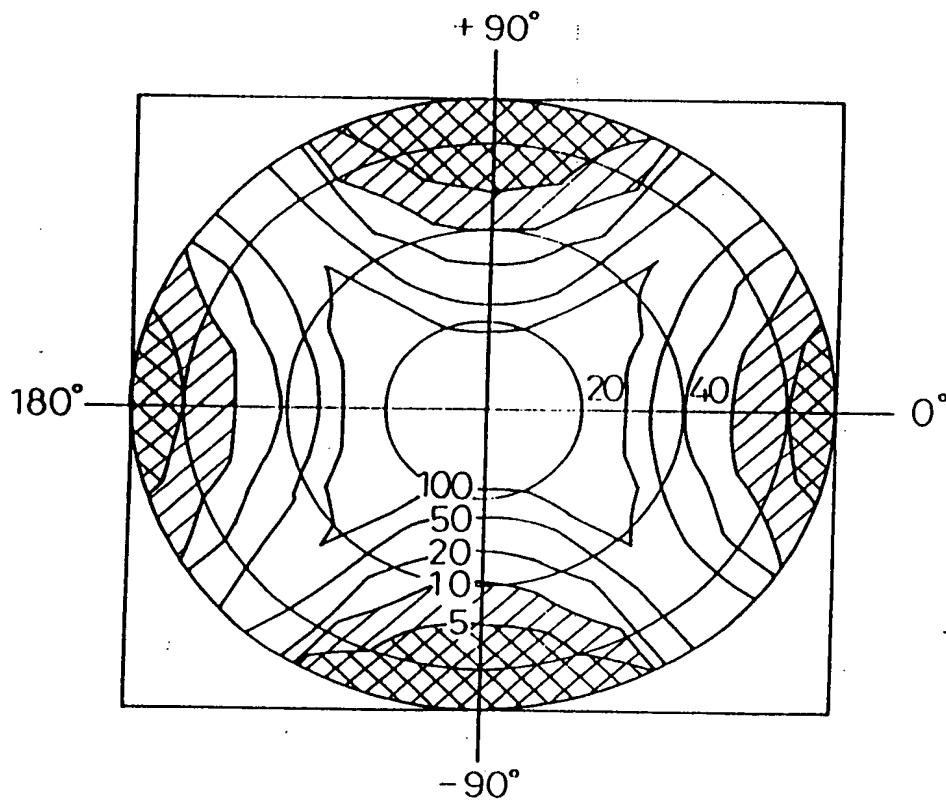
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Fig. 21



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Fig. 22



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Fig. 23A

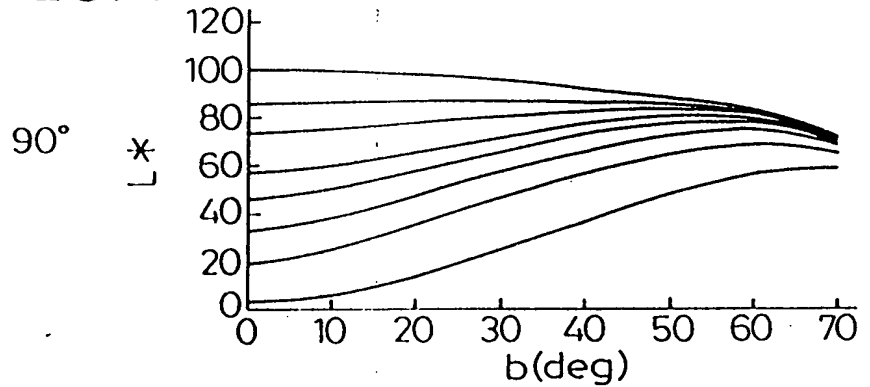


Fig. 23B

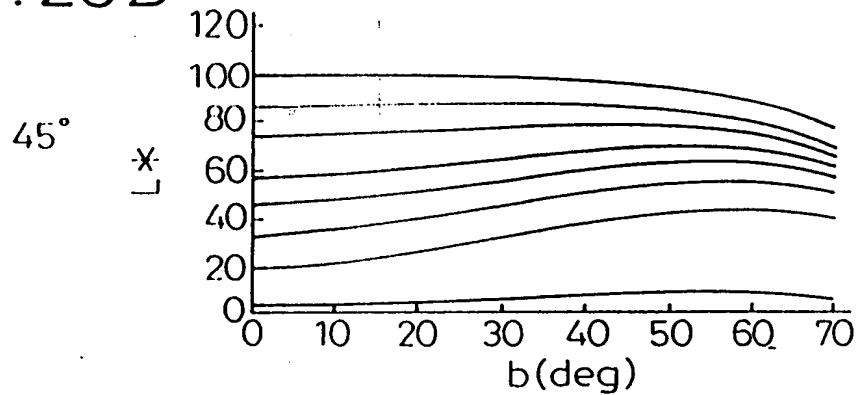
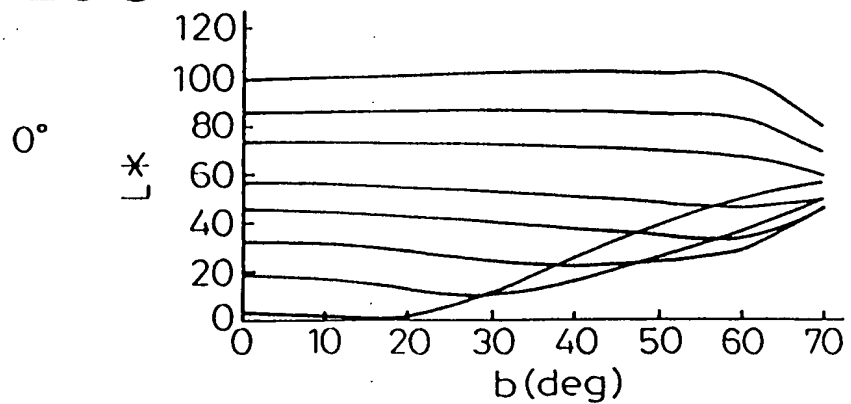


Fig. 23C



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Fig. 24A

-45°

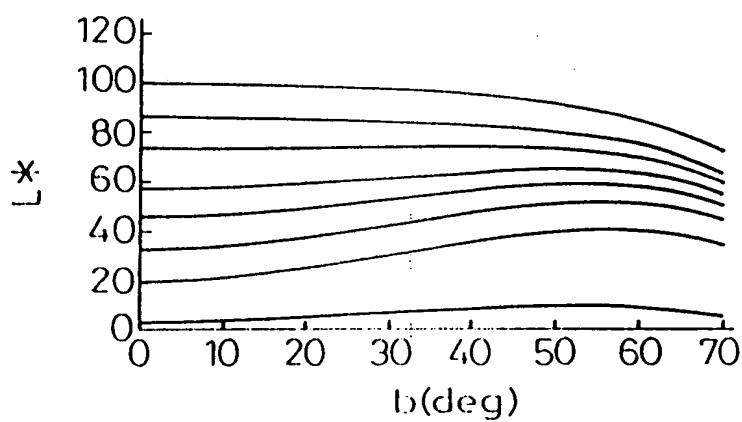
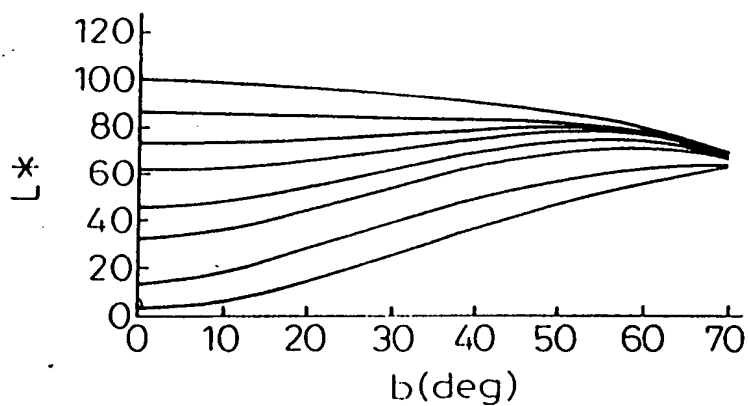


Fig. 24B

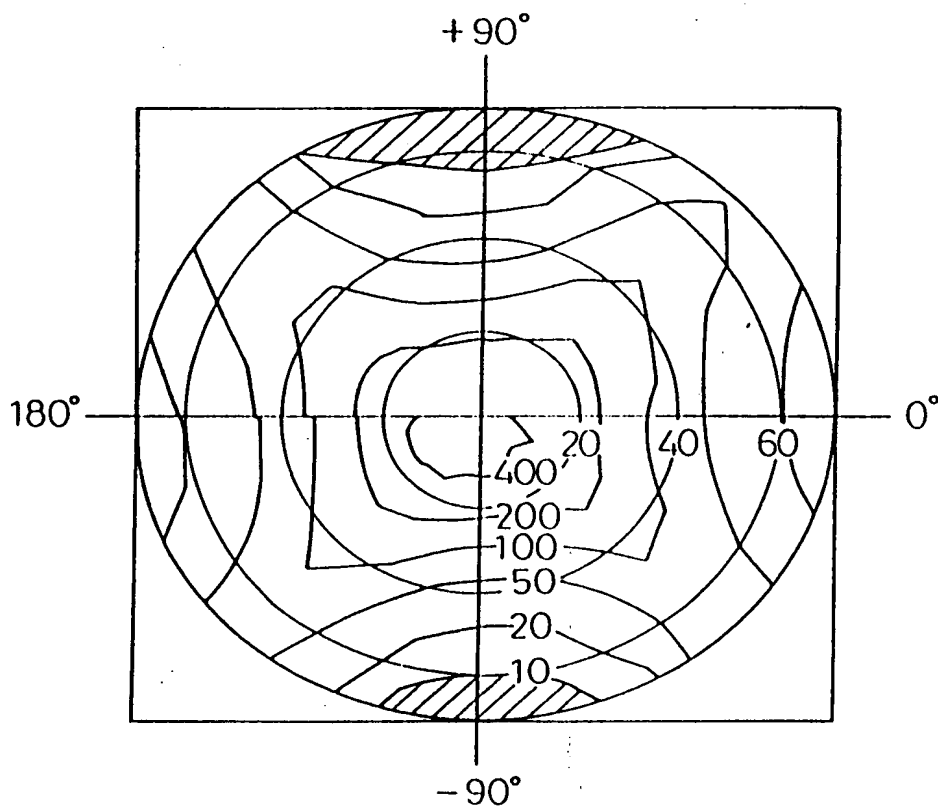
-90°





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Fig. 25



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Fig. 26A

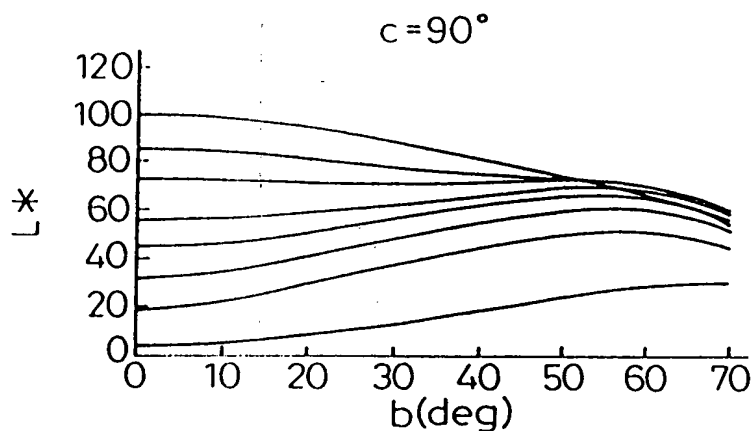


Fig. 26B

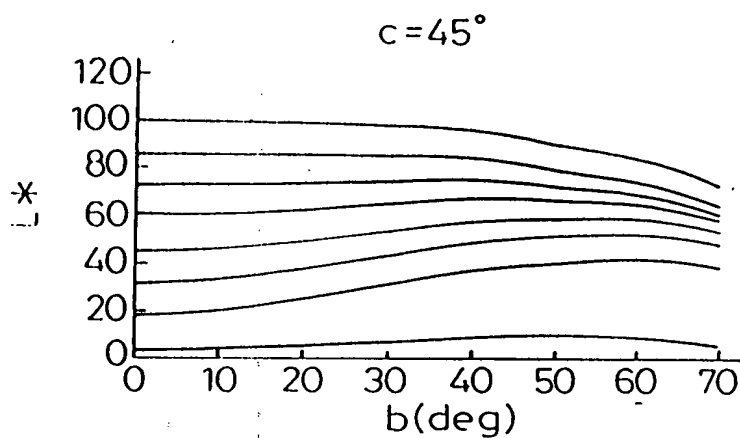
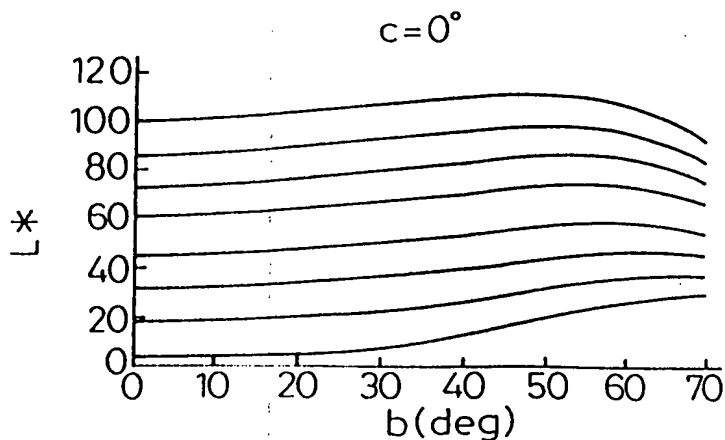
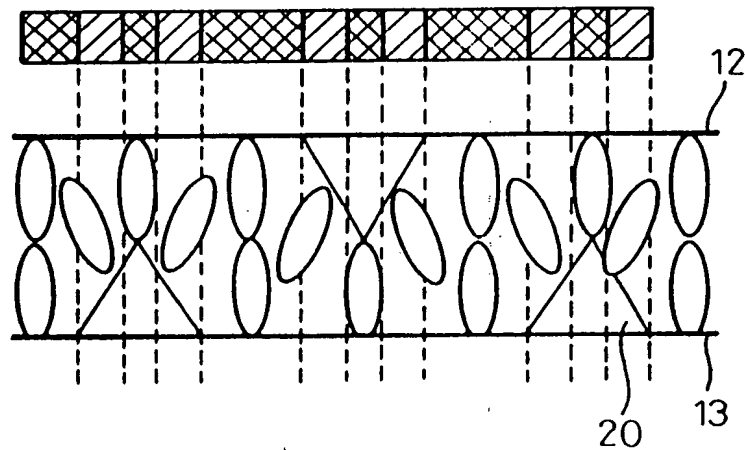


Fig. 26C



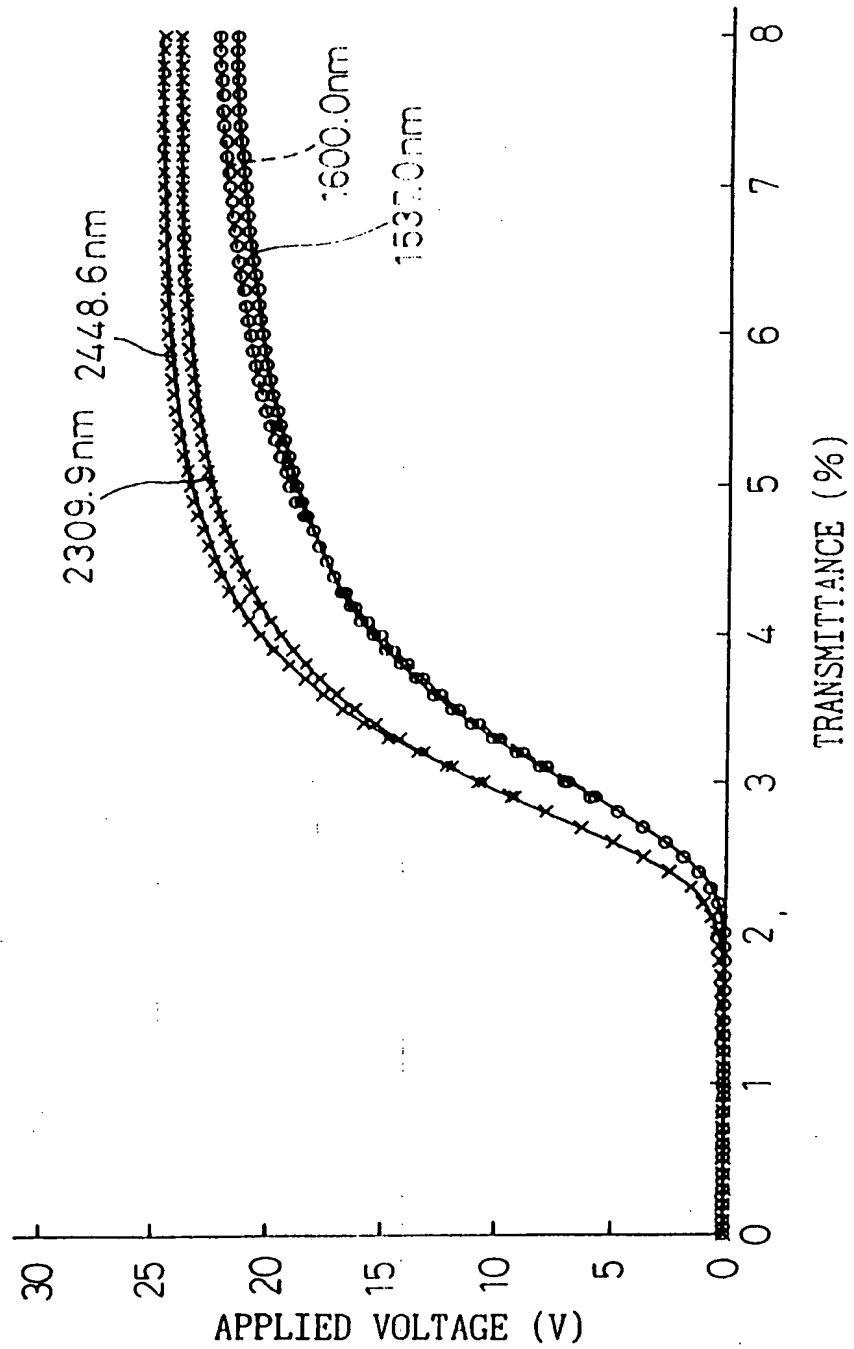
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Fig. 27



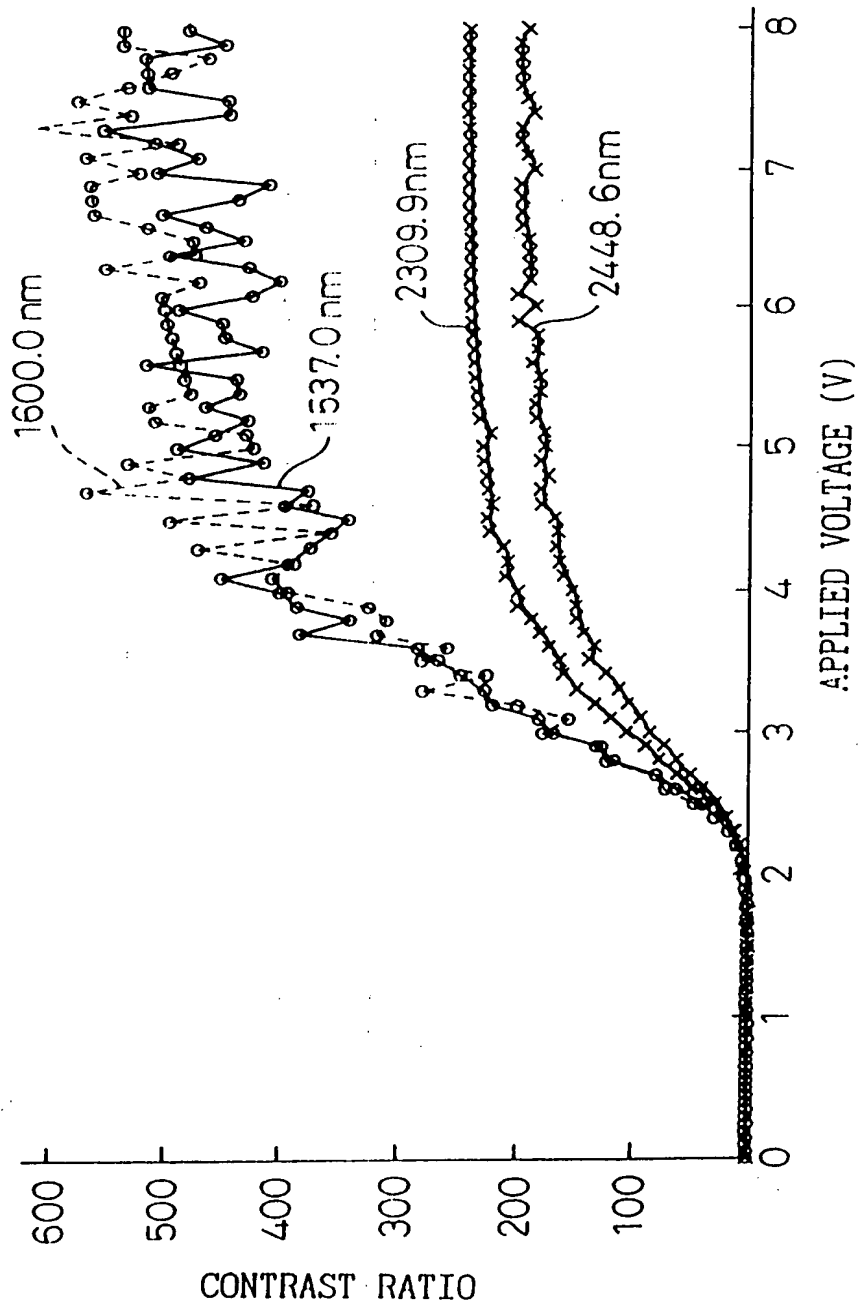
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Fig. 28



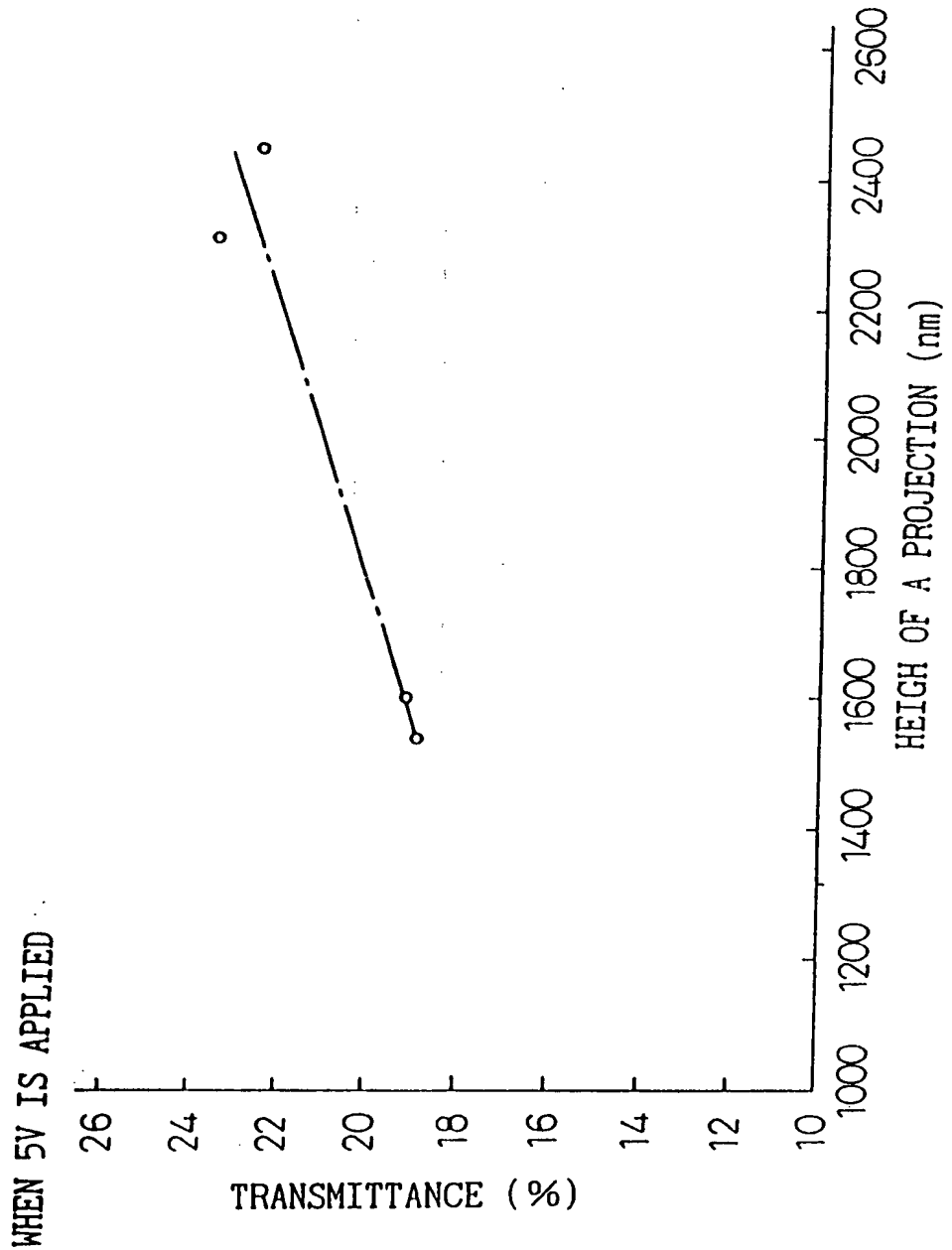
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Fig. 29



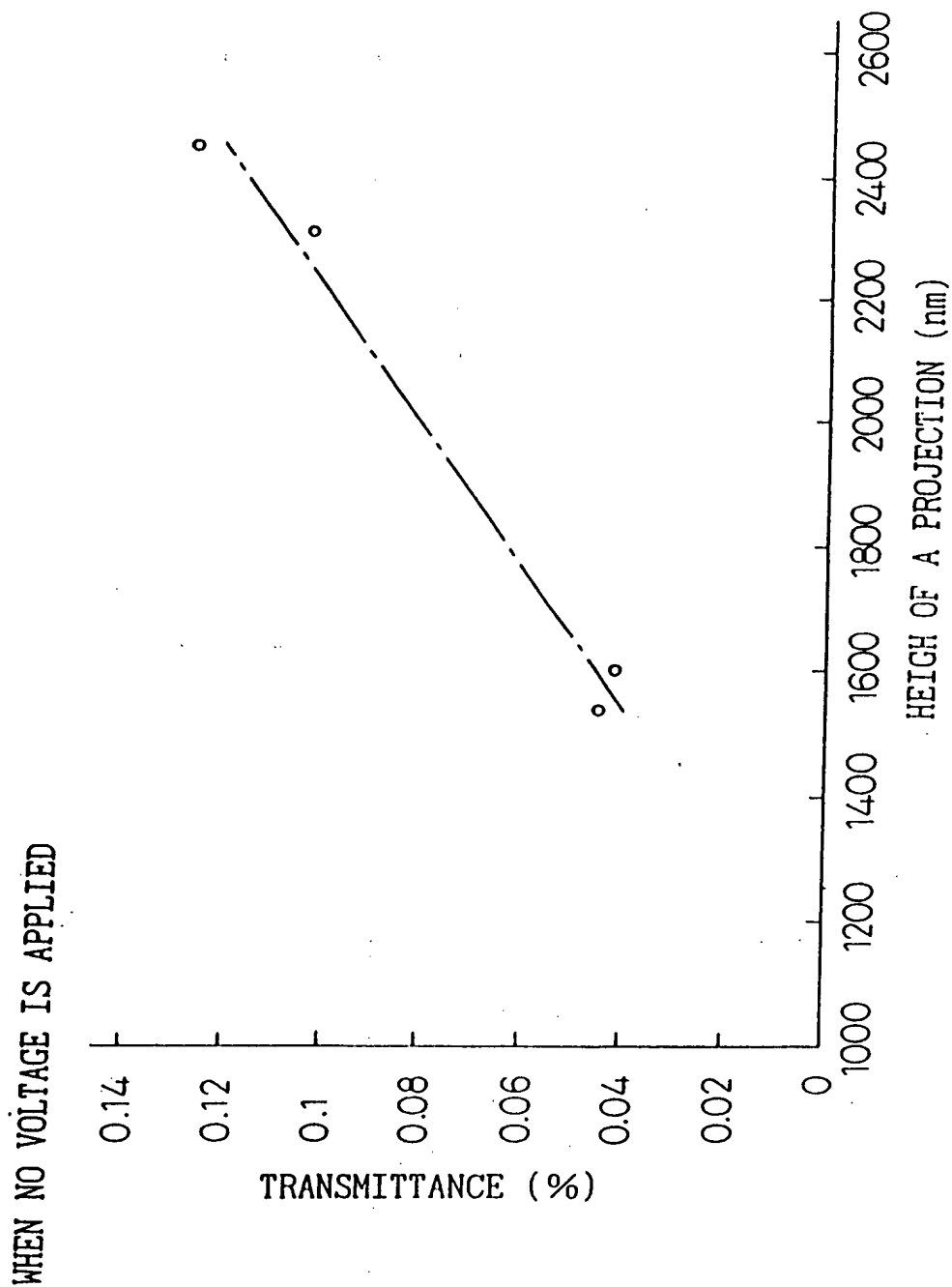
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Fig. 30



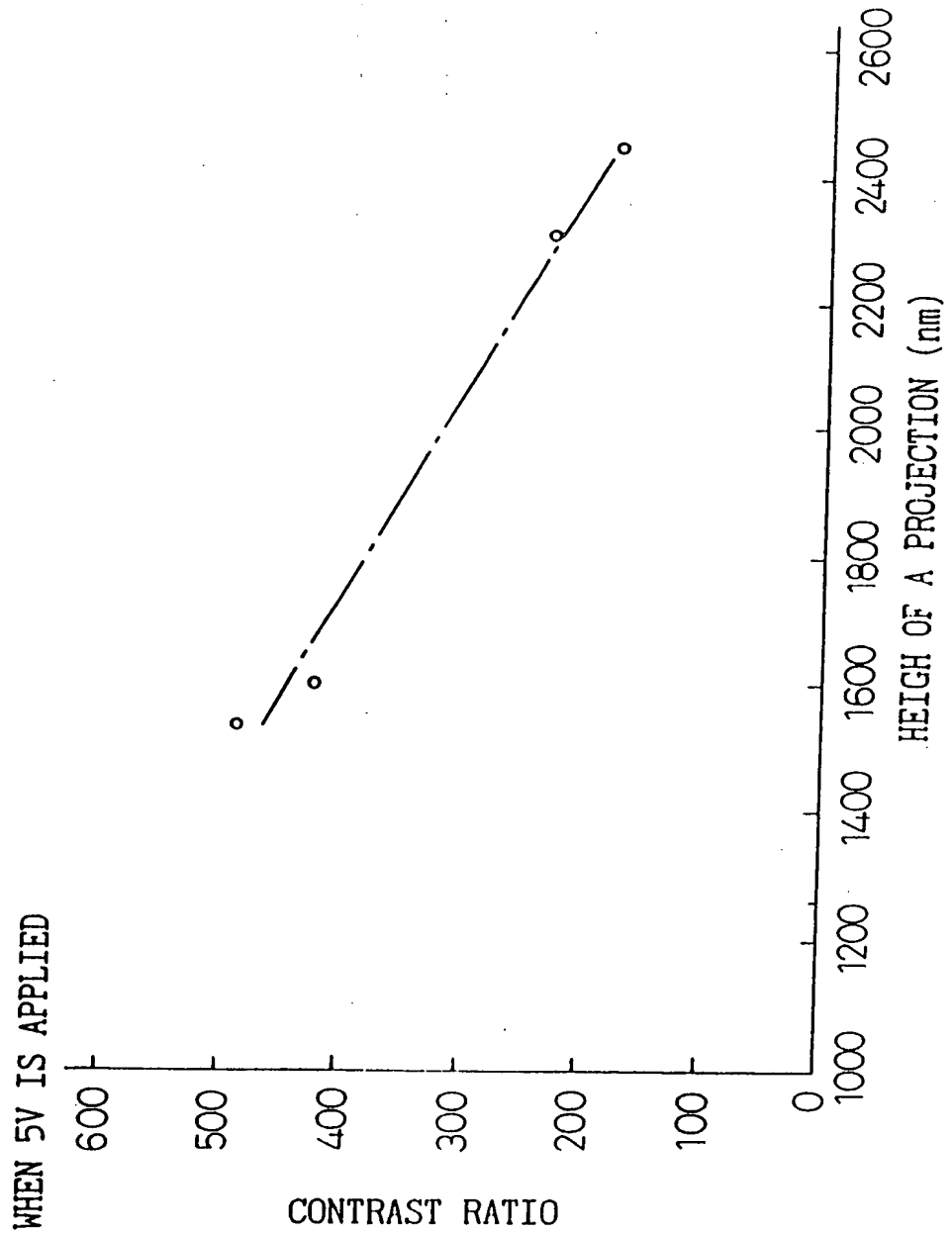
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Fig. 31



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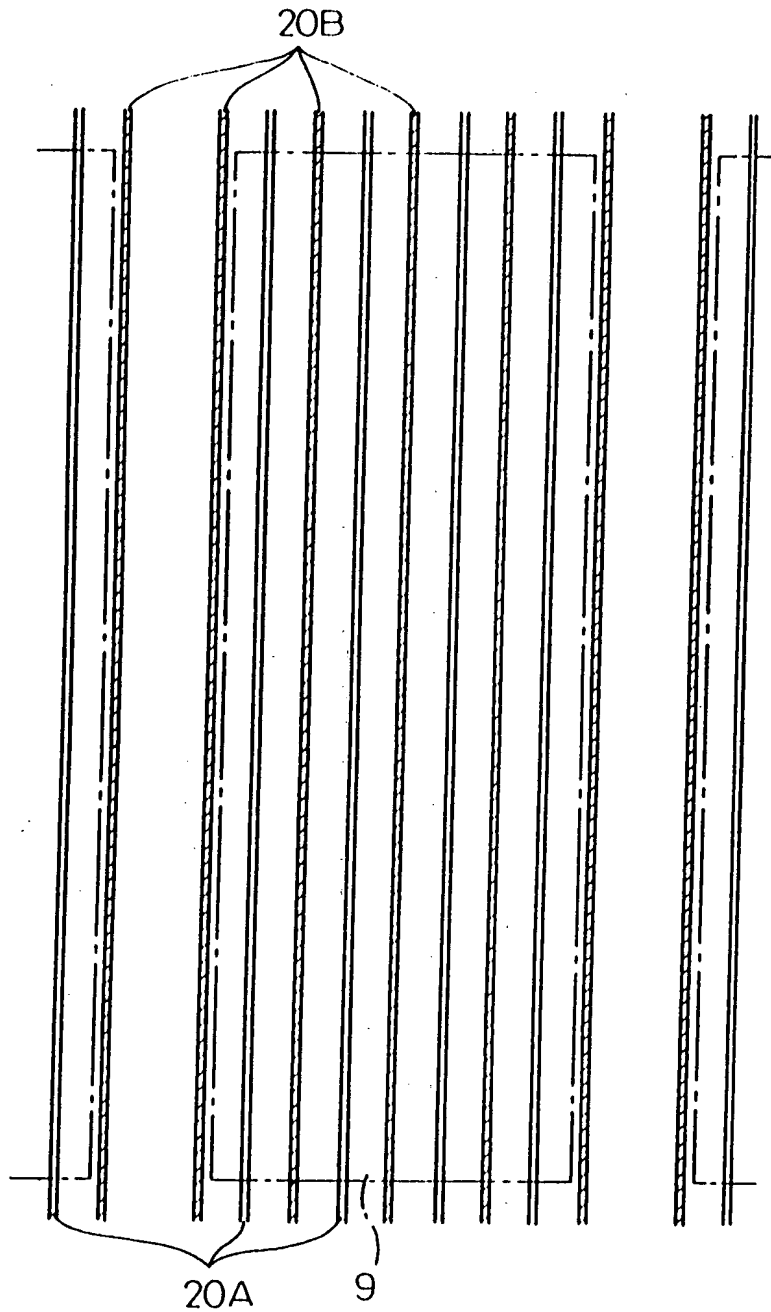
Fig. 32





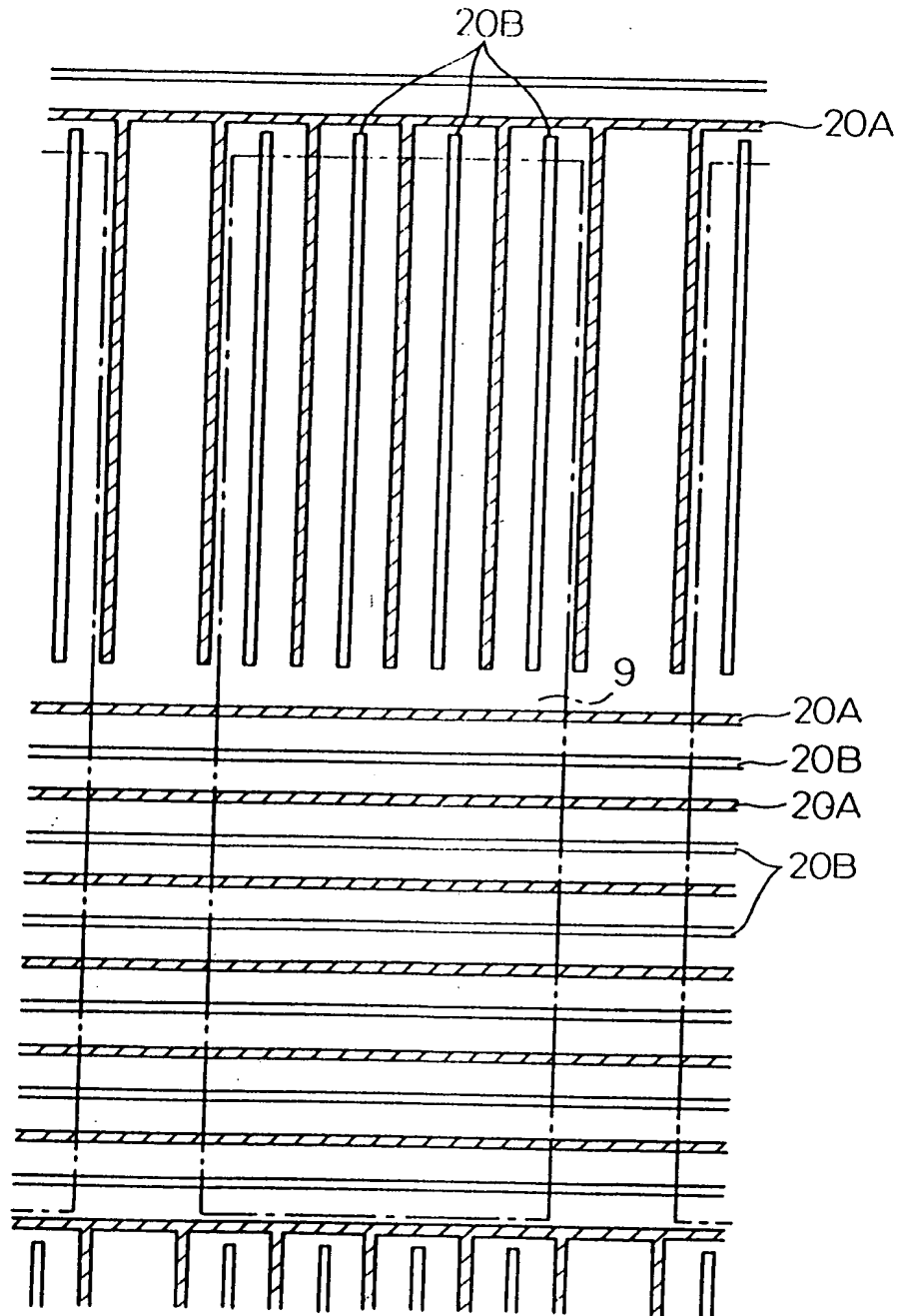
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Fig. 33



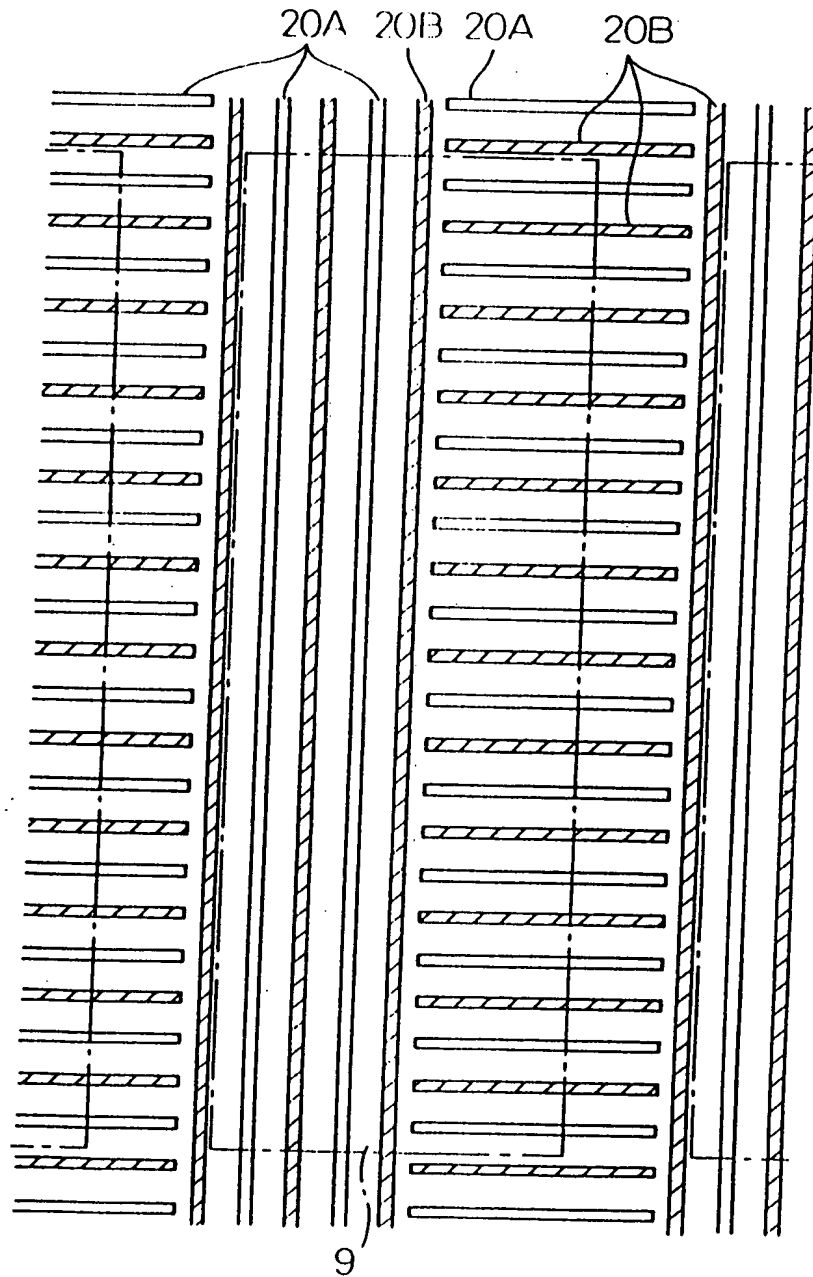
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Fig. 34



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Fig. 35



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Fig. 36

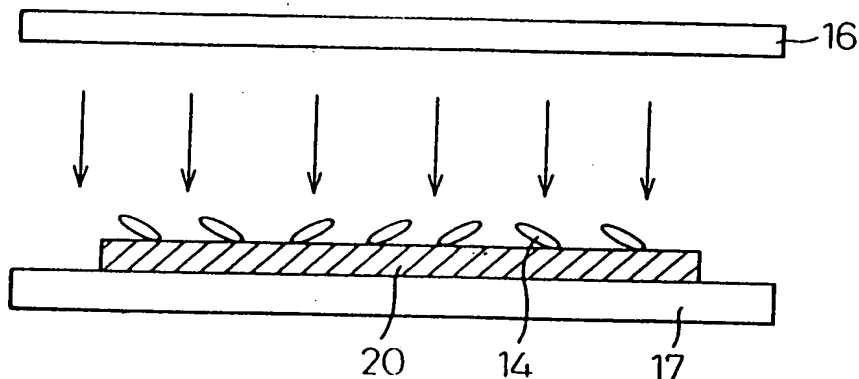


Fig. 37A

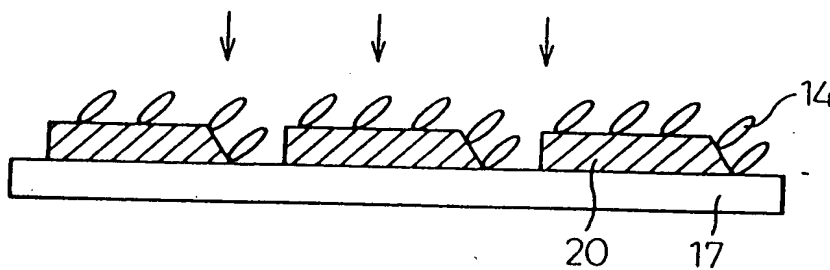
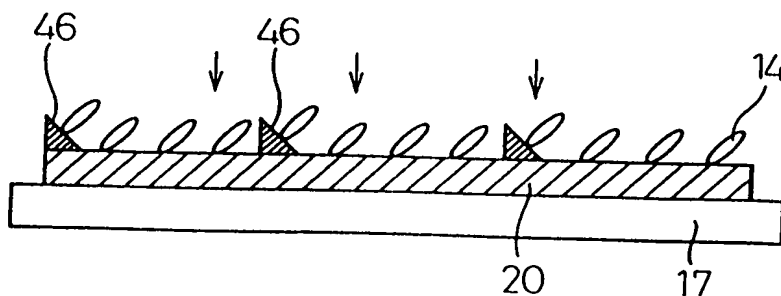


Fig. 37B



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Fig. 38A

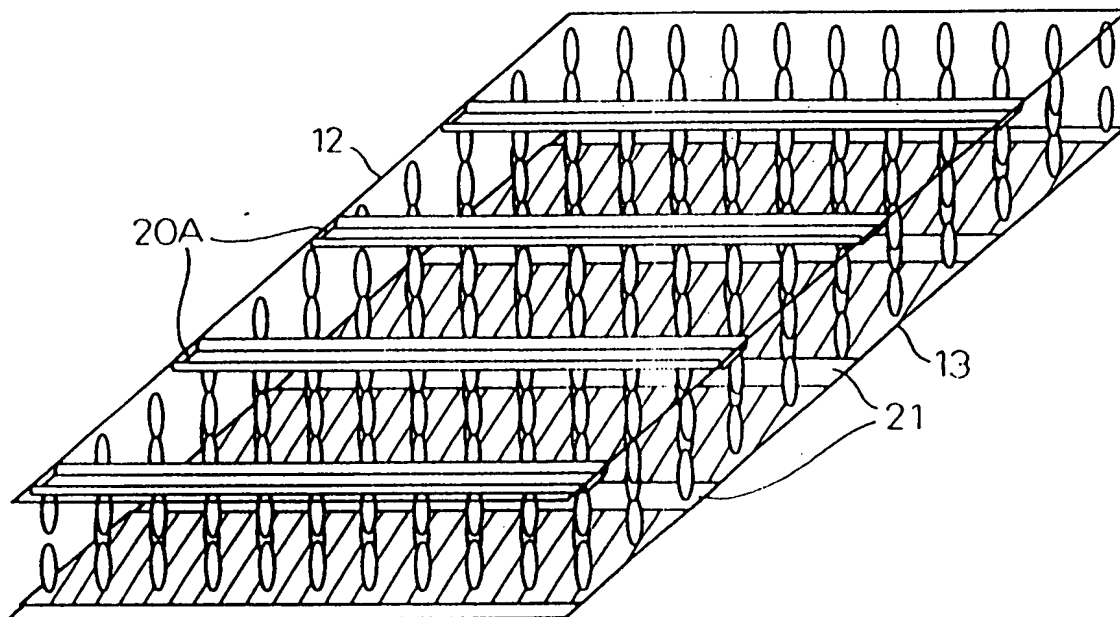
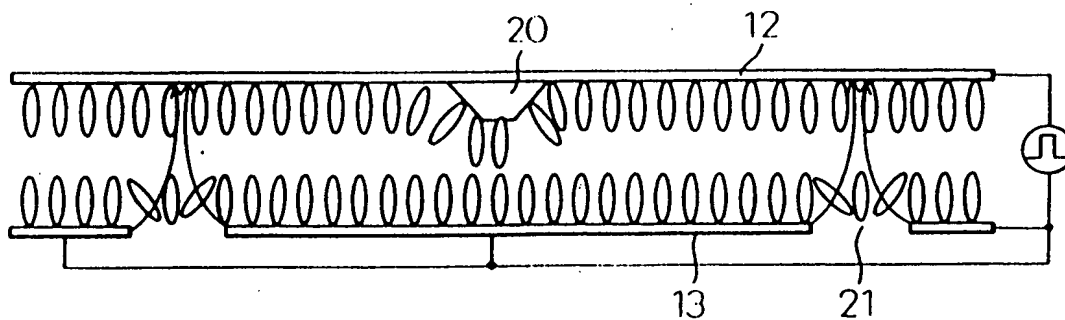
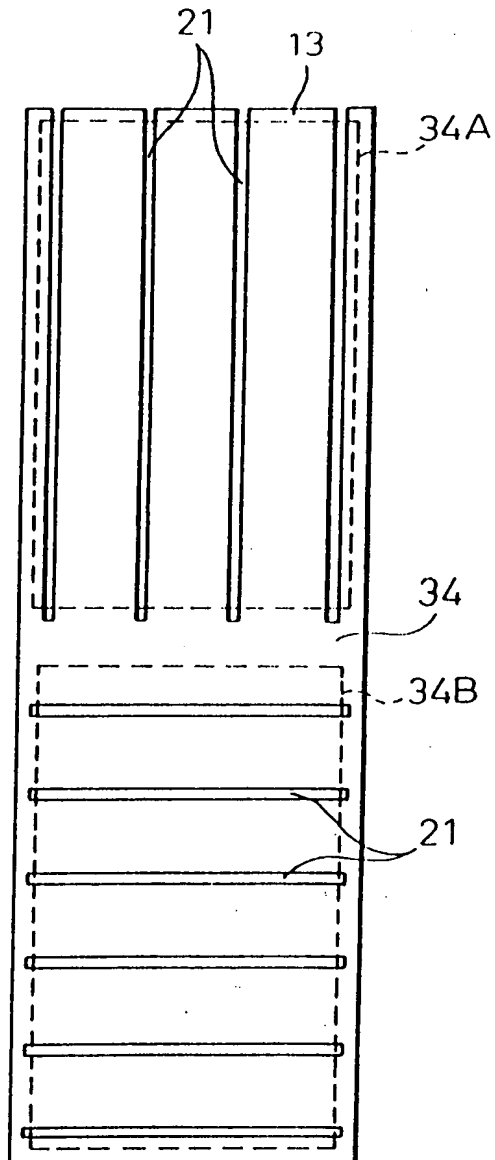


Fig. 38B



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Fig. 39



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Fig. 40

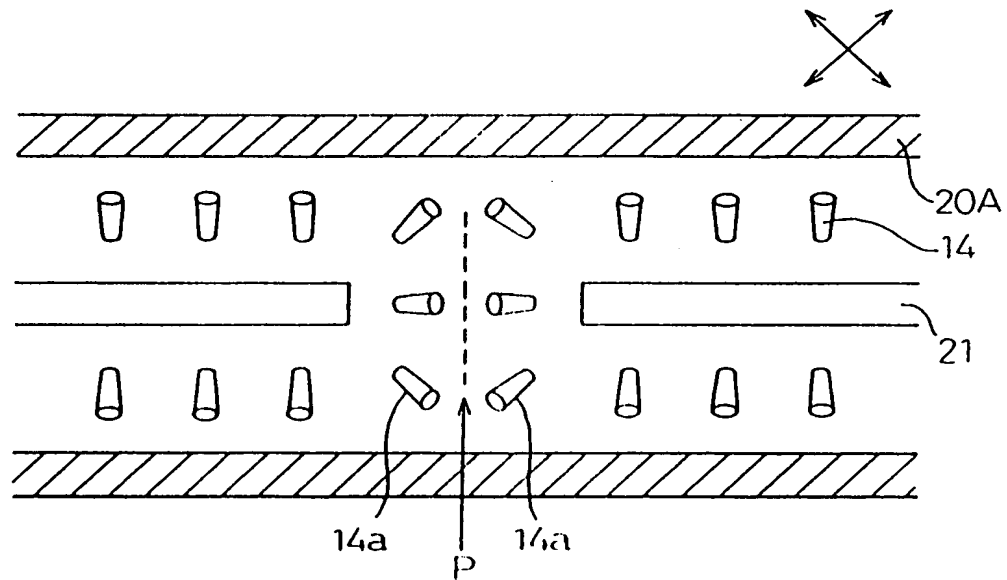
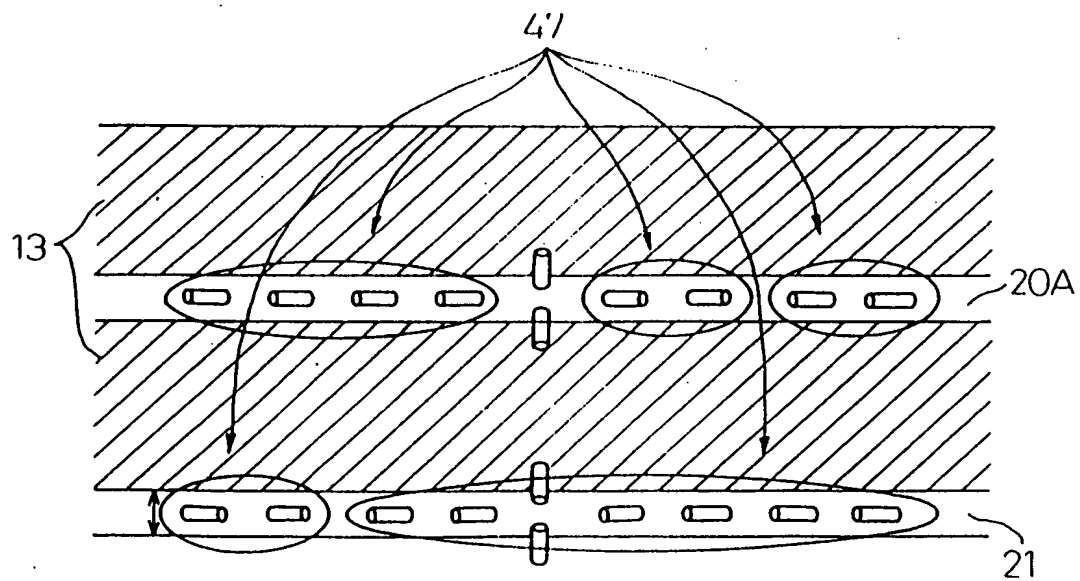
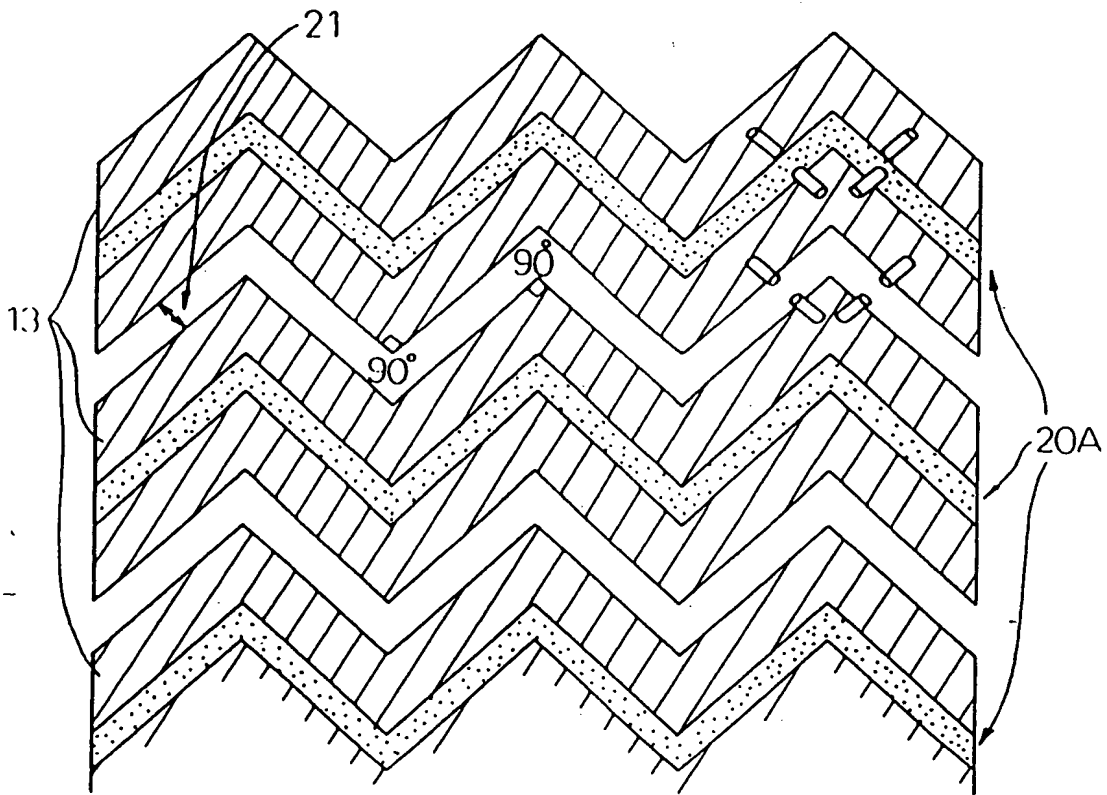


Fig. 41



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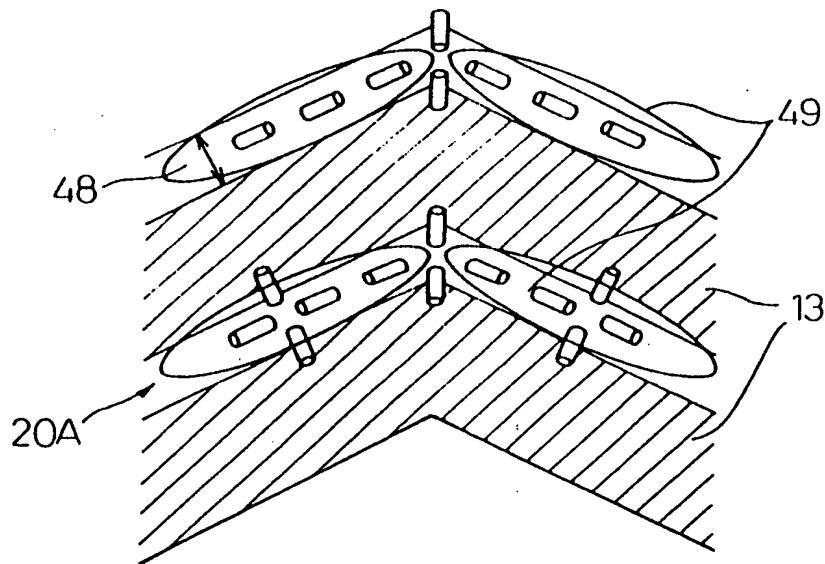
Fig. 42





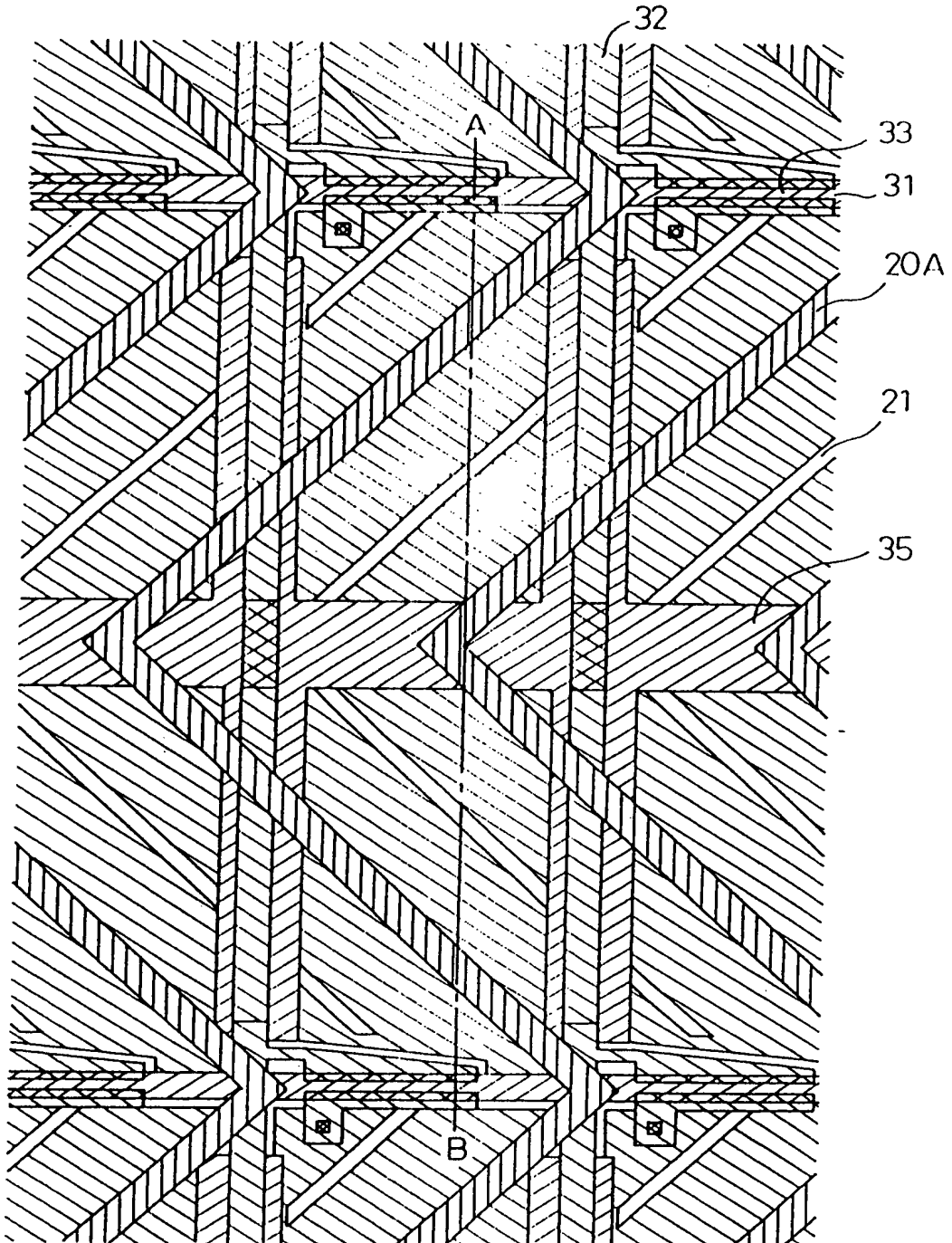
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Fig. 43



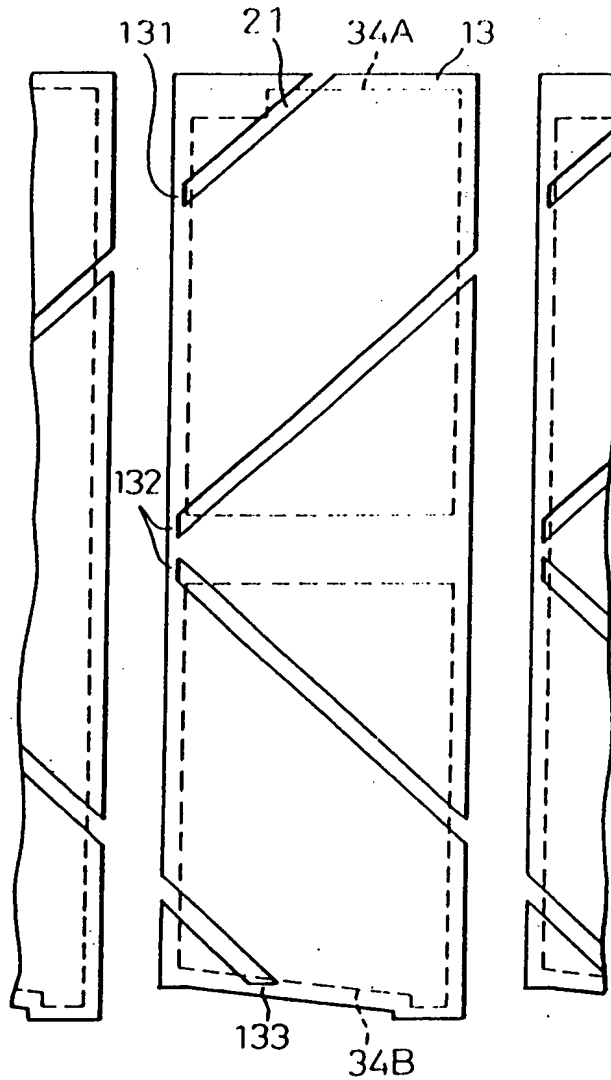
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Fig. 44



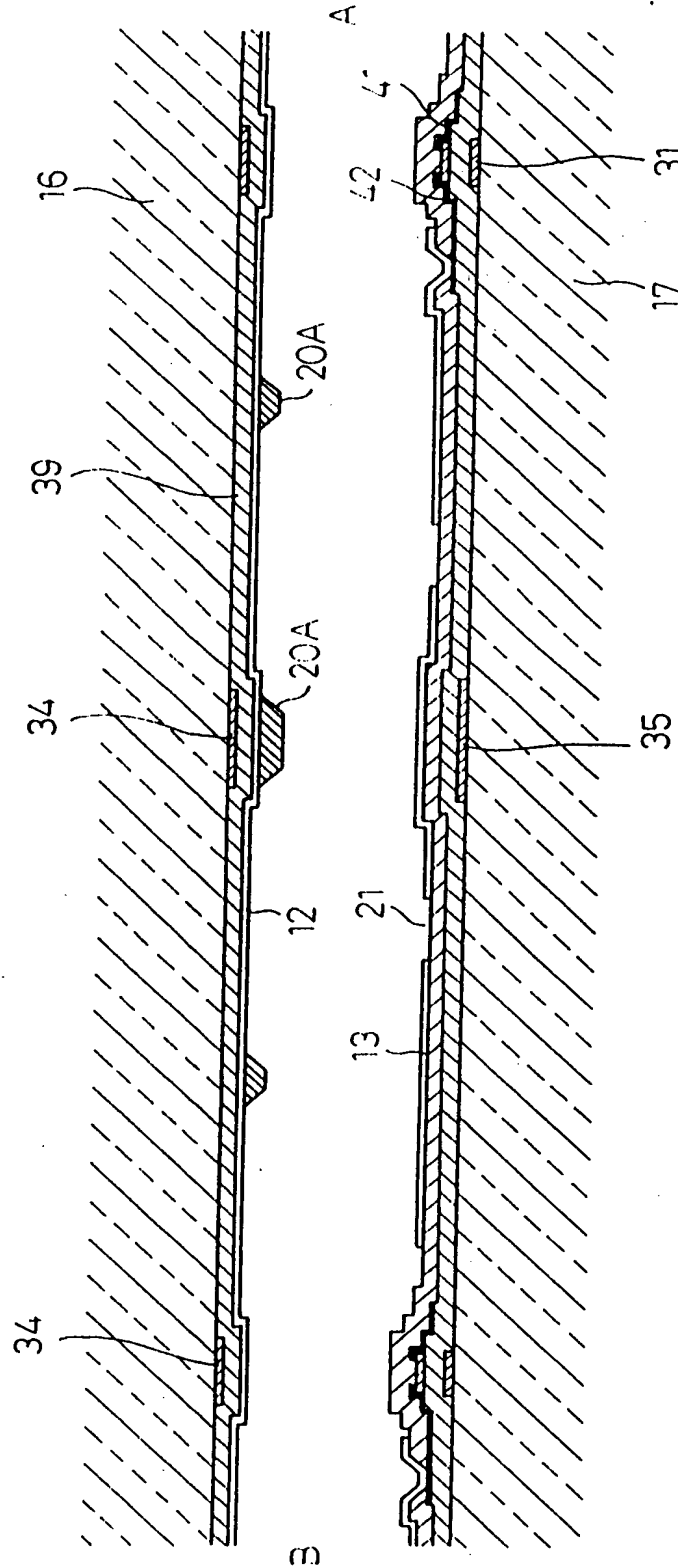
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Fig. 45



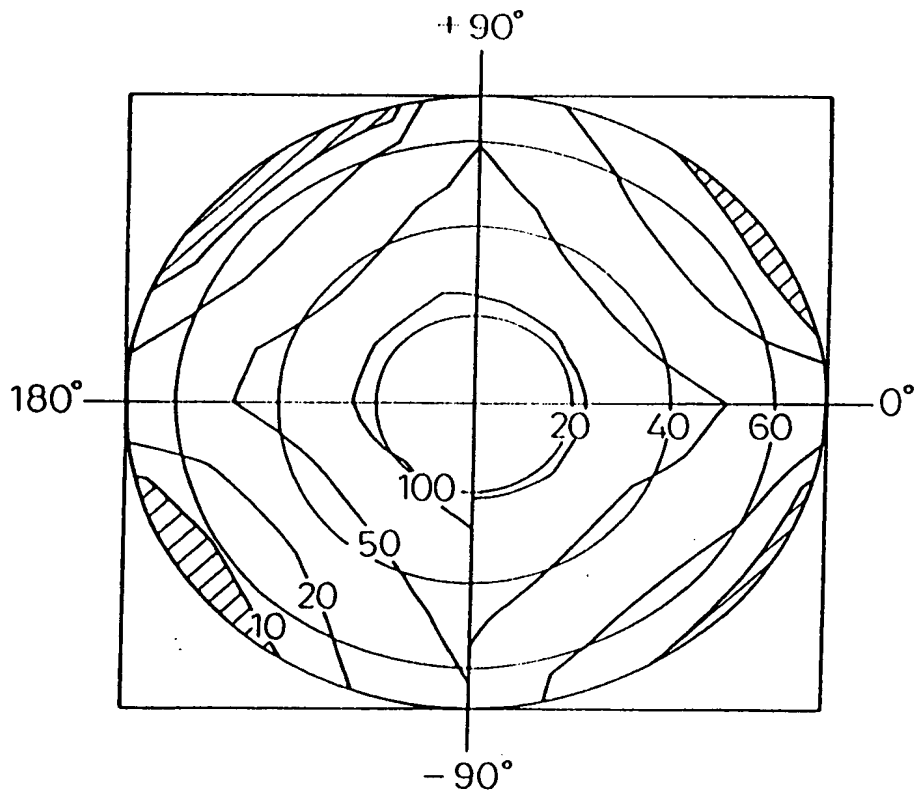
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Fig. 46



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Fig. 47



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Fig. 48A

-90°

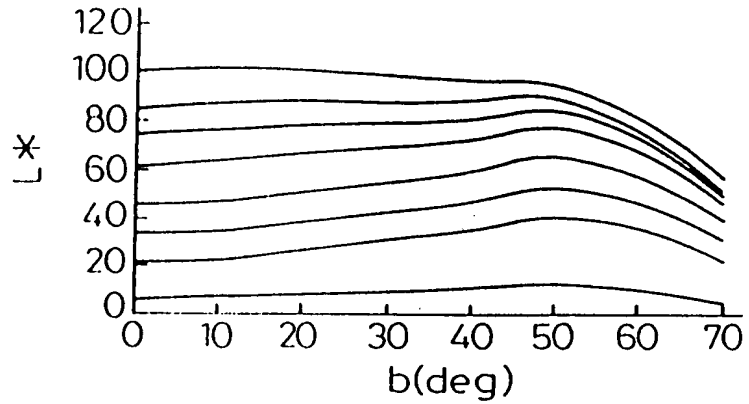


Fig. 48B

-45°

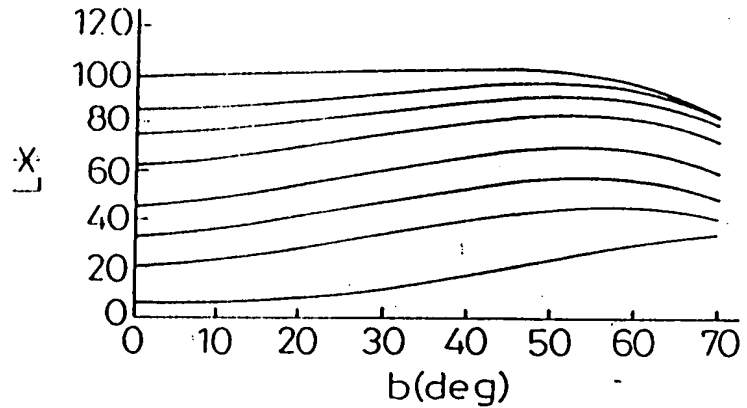
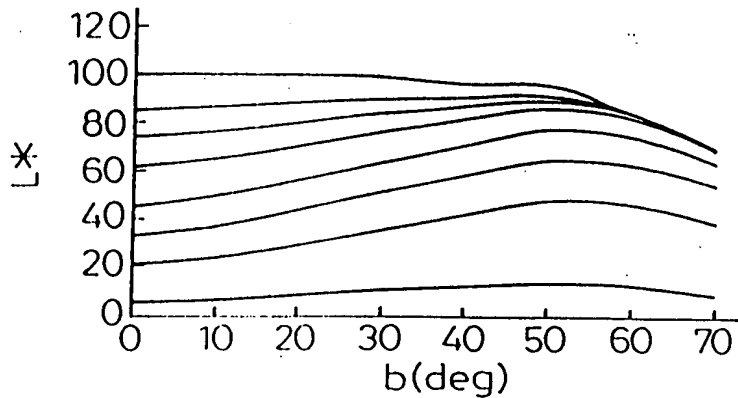


Fig. 48C

0°



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Fig. 49A

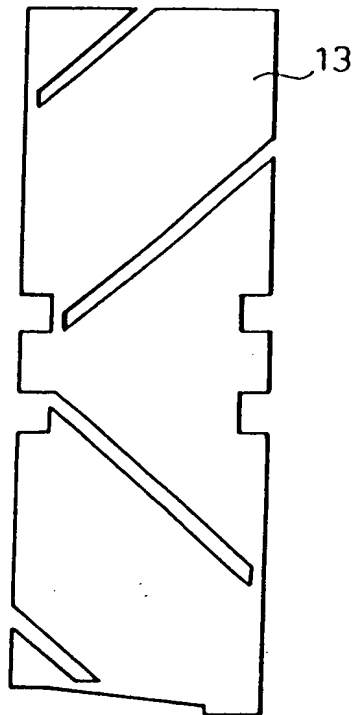
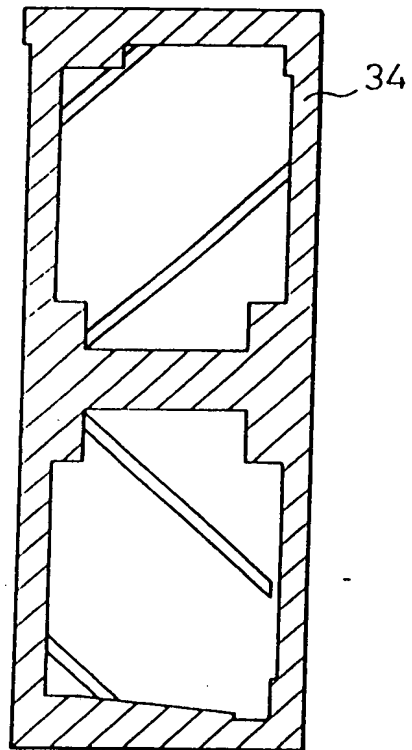


Fig. 49B



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Fig.50A

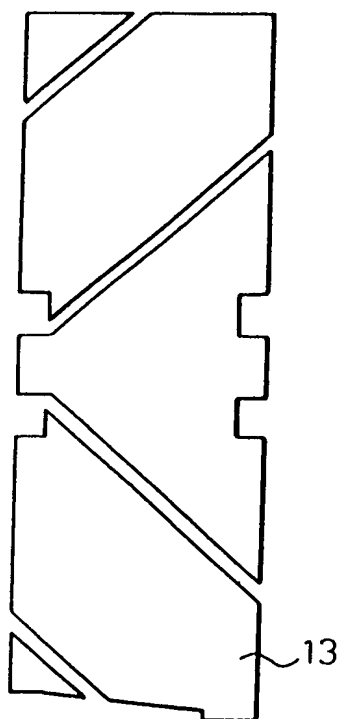
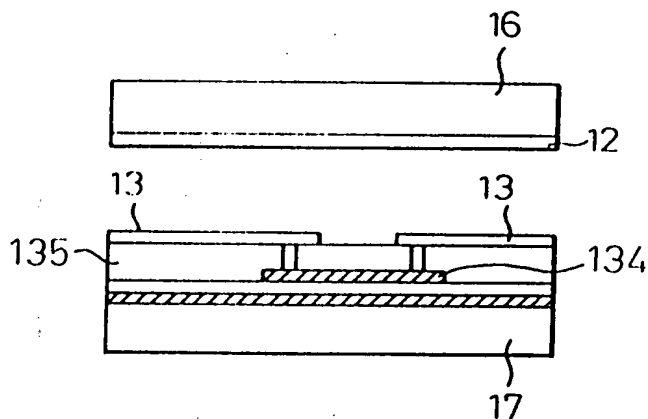


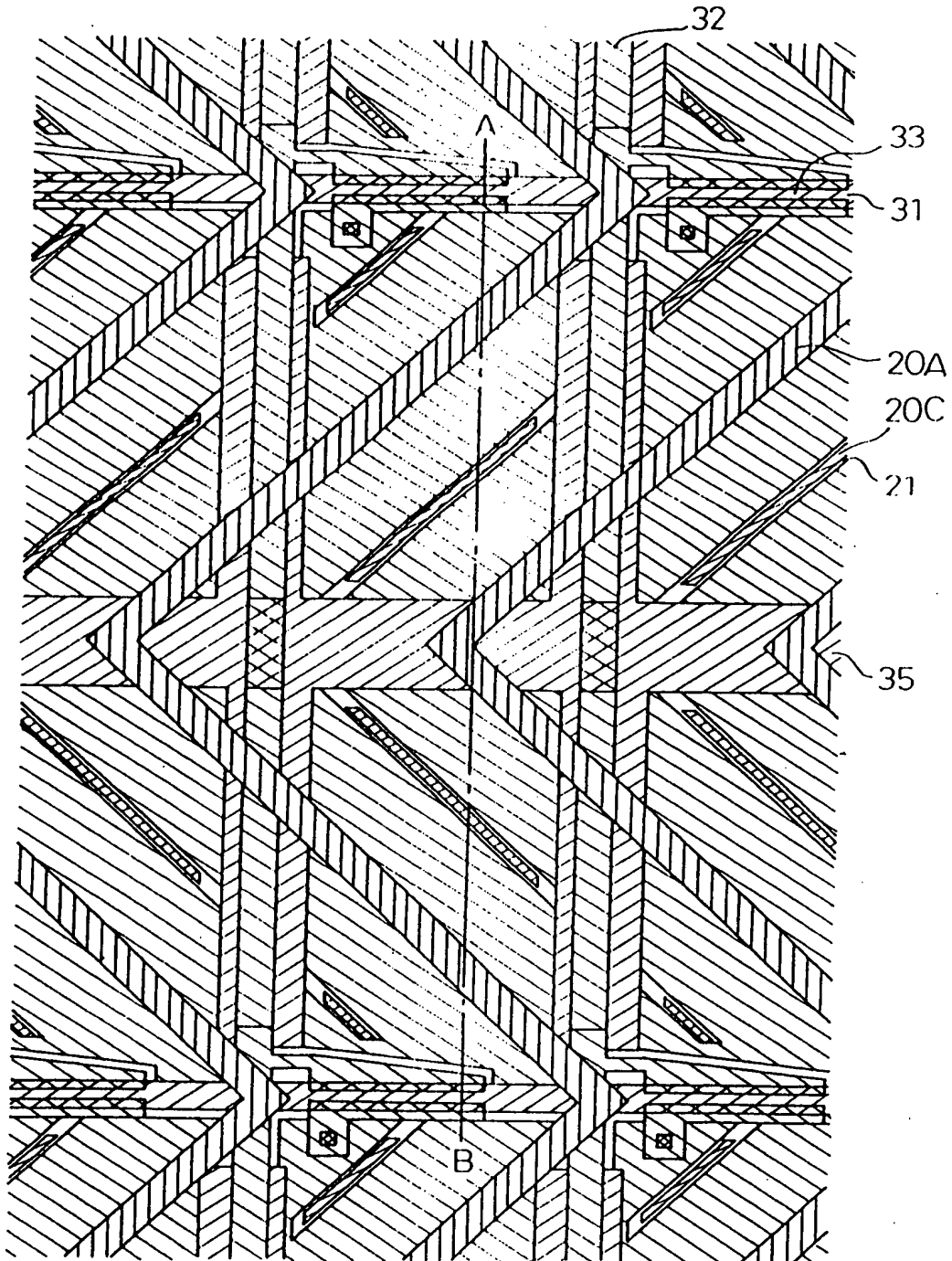
Fig.50B



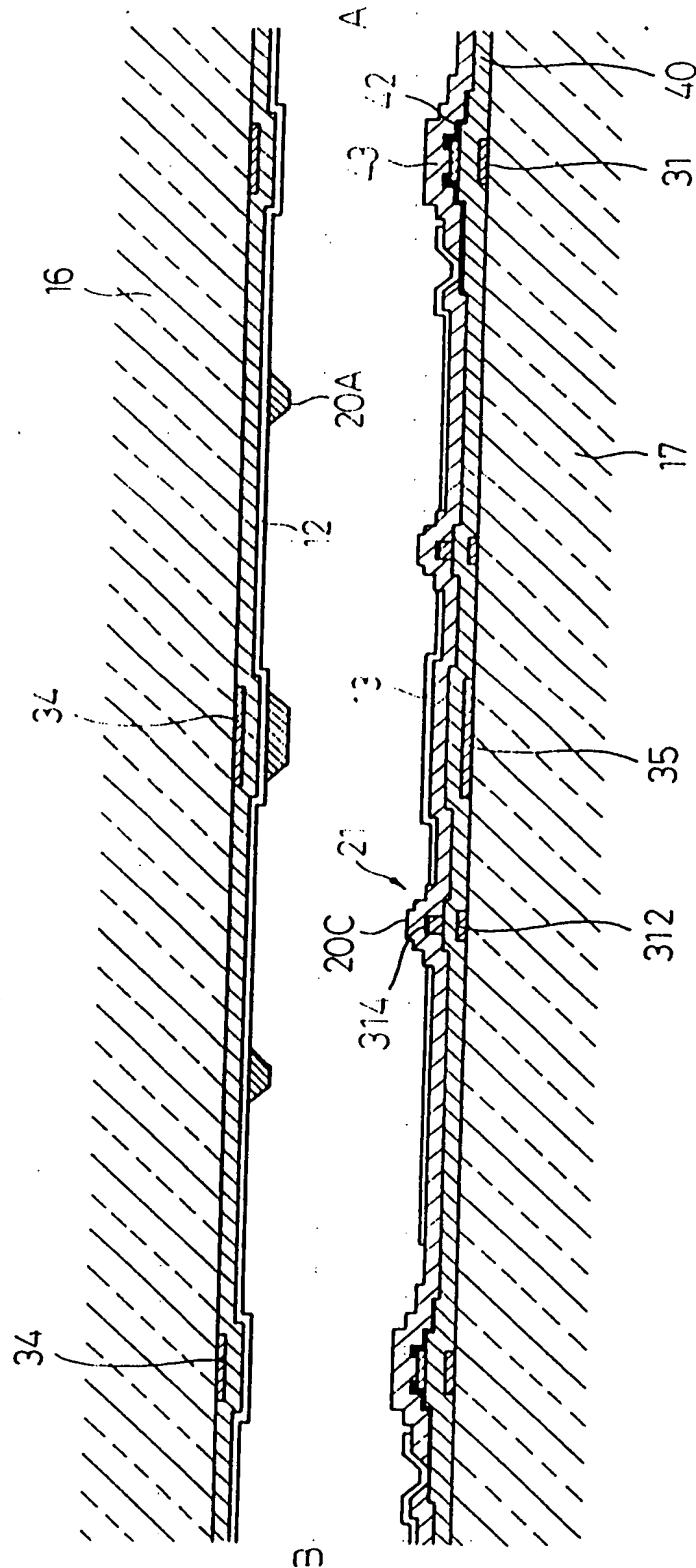


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Fig. 51



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Fig. 53A

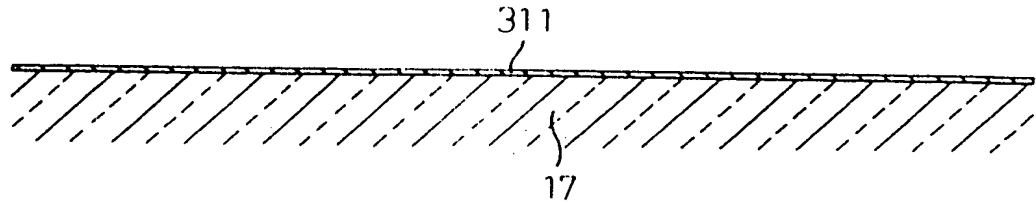


Fig. 53B

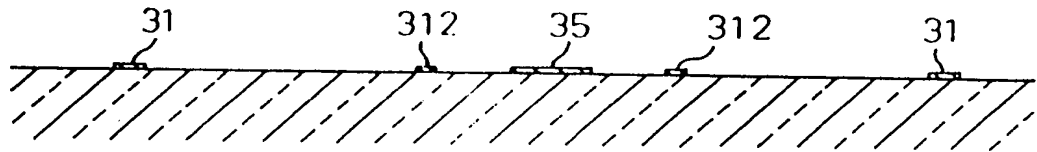


Fig. 53C

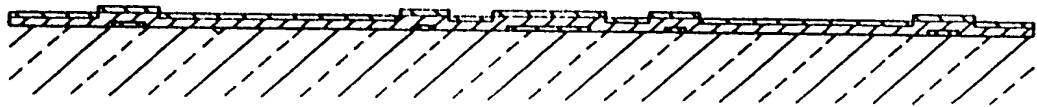


Fig. 53D

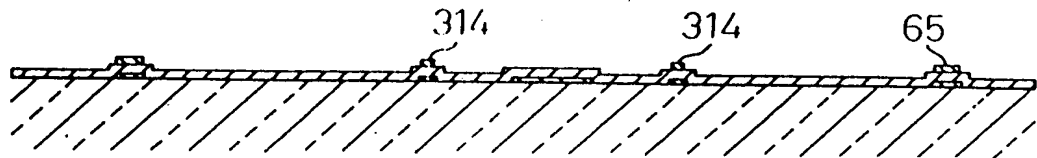
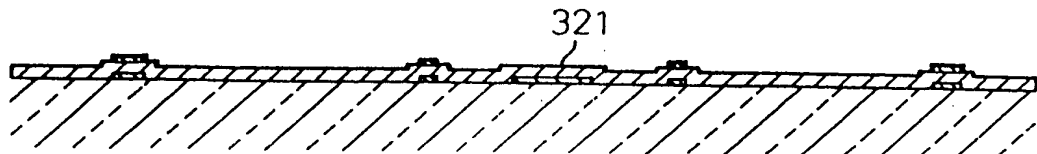


Fig. 53E



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Fig. 53F

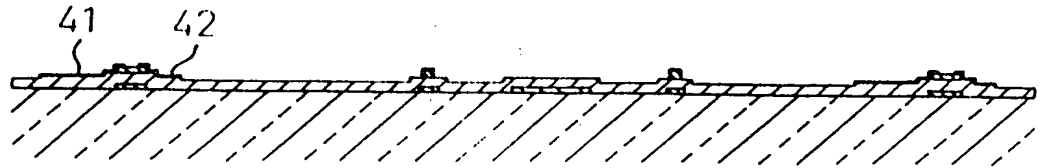


Fig. 53G

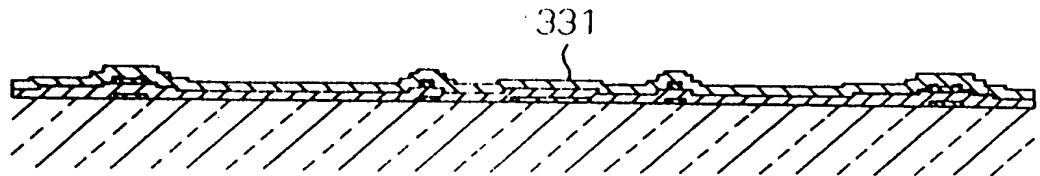


Fig. 53H

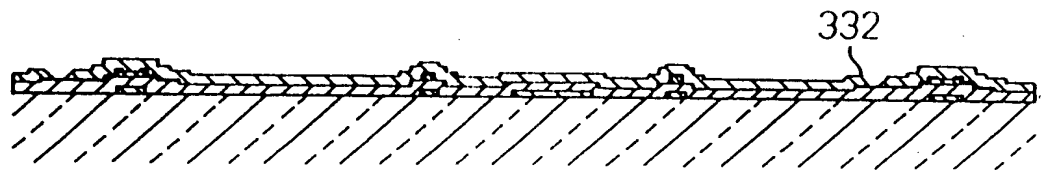


Fig. 53I

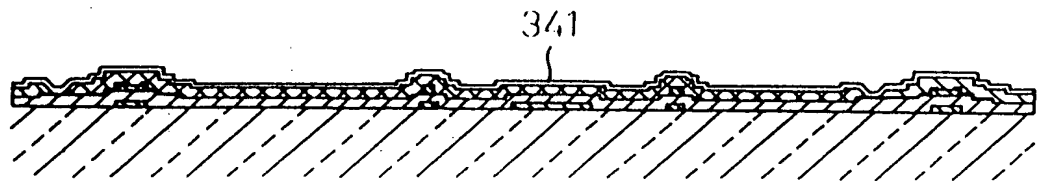
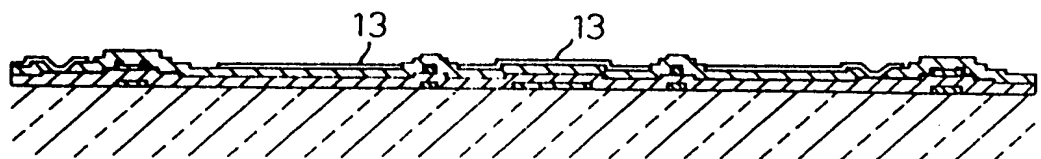
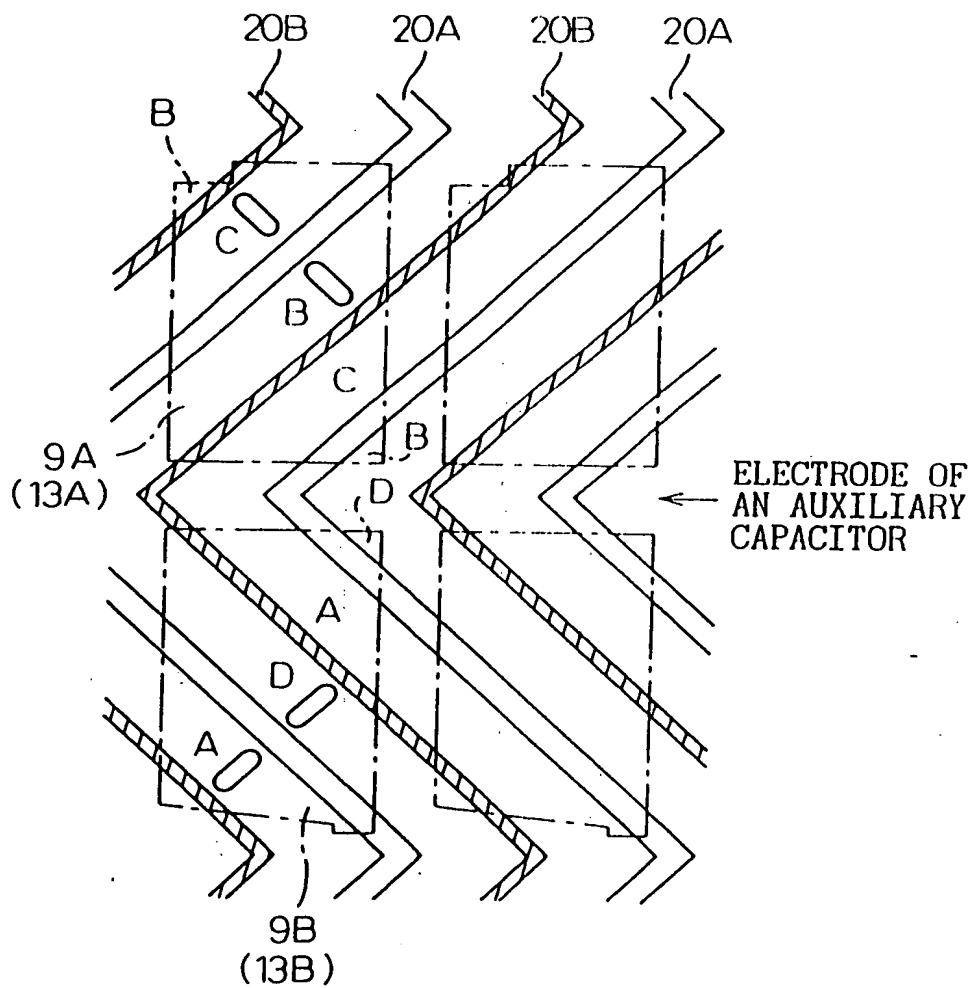


Fig. 53J



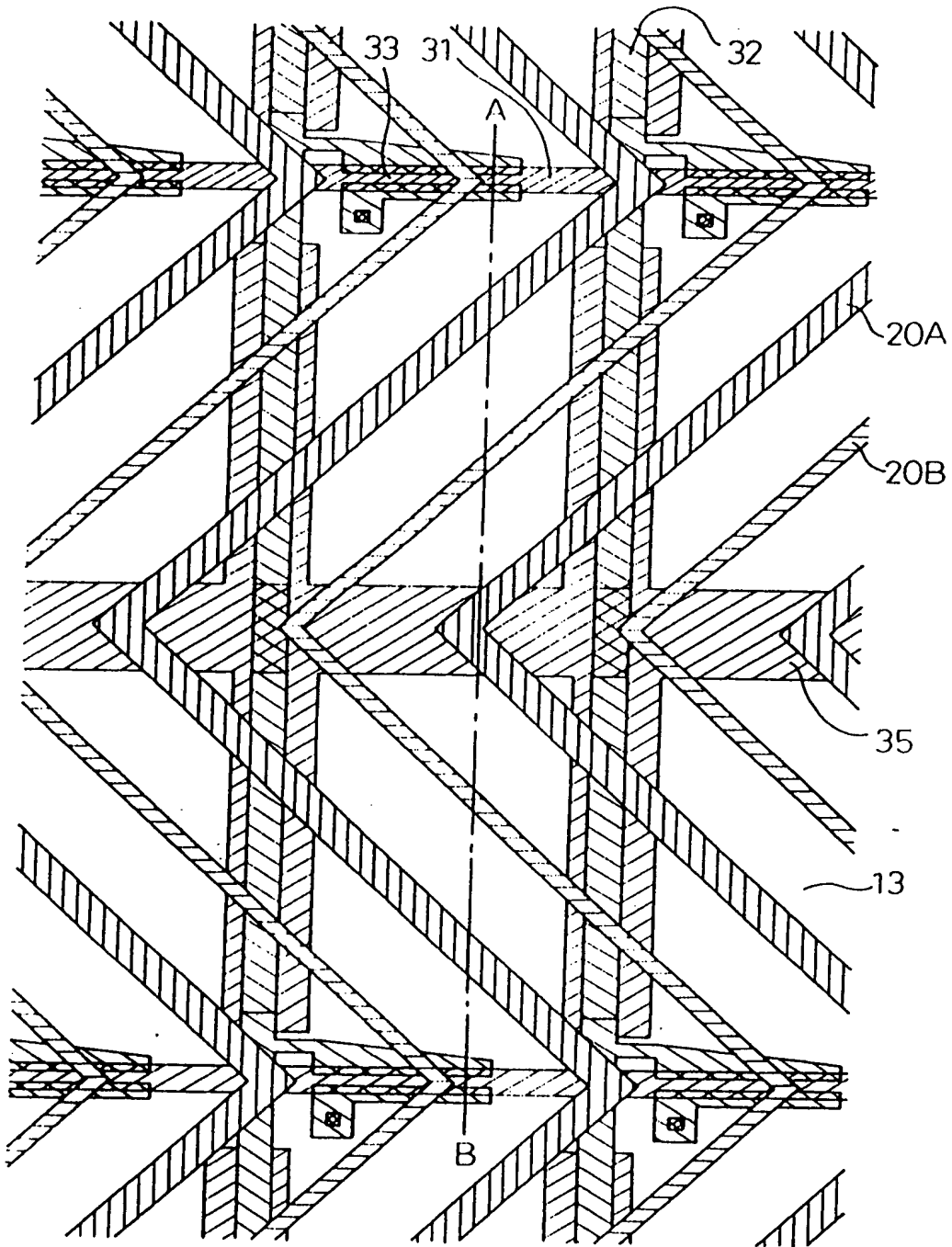
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Fig. 54



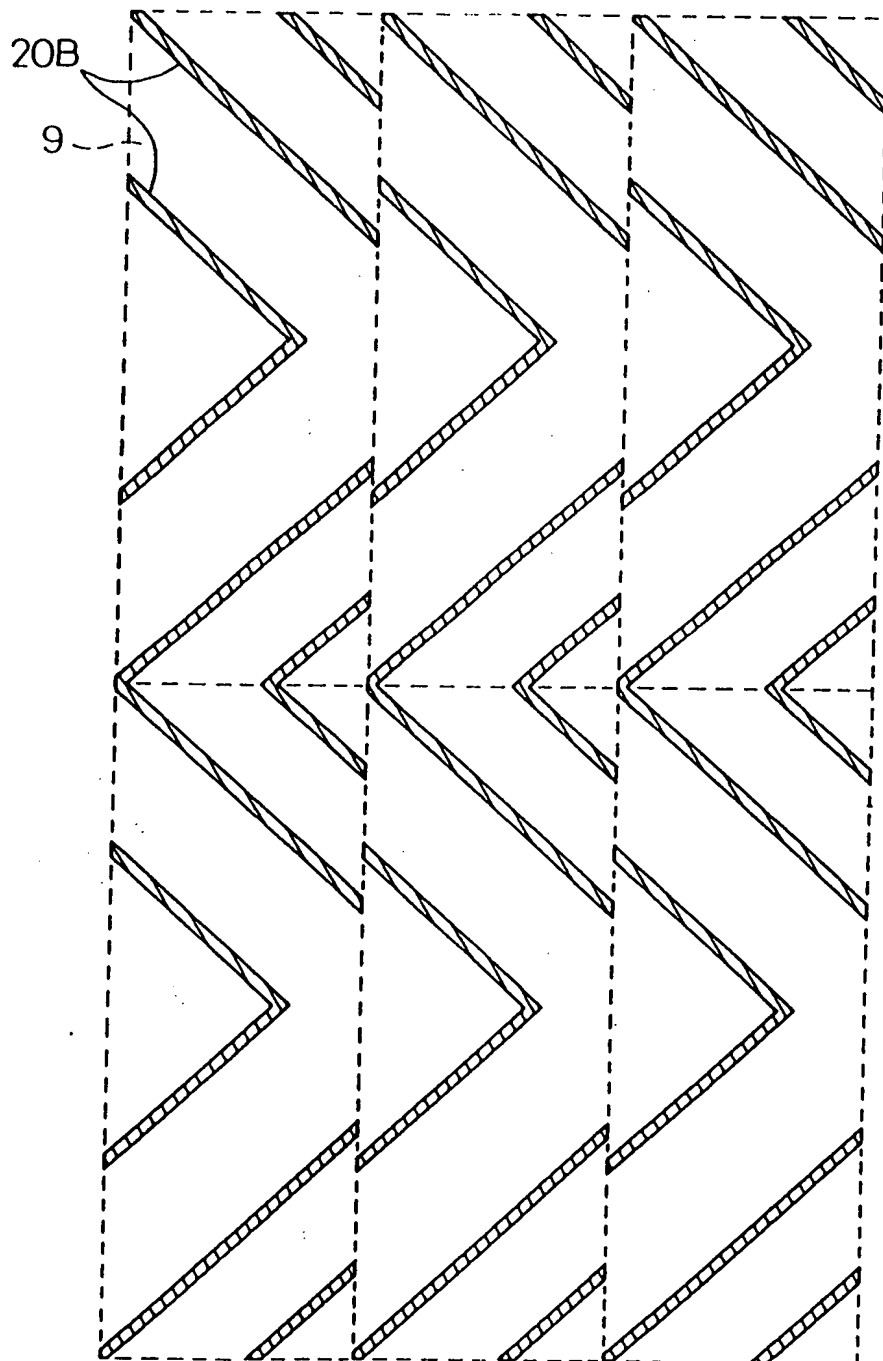
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Fig. 55



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Fig. 56



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Fig. 57A

WHEN NO VOLTAGE IS APPLIED

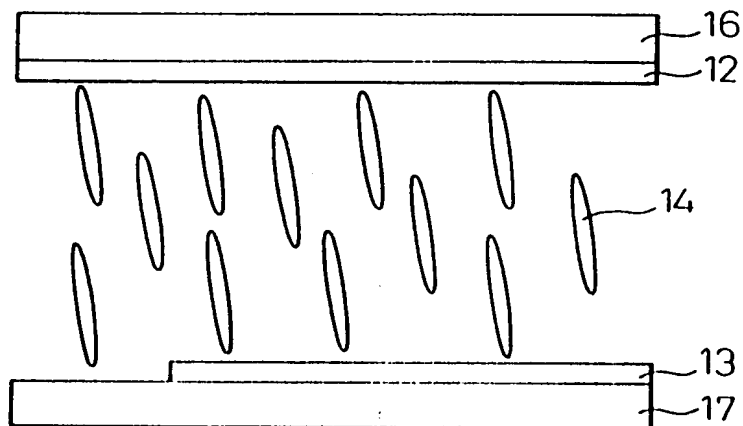
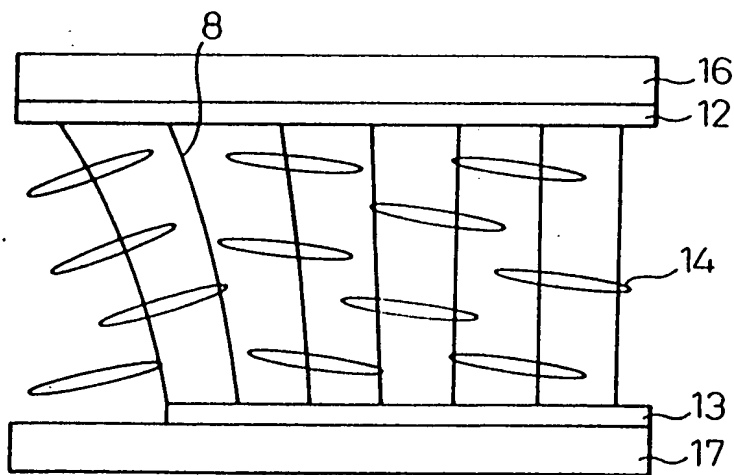


Fig. 57B

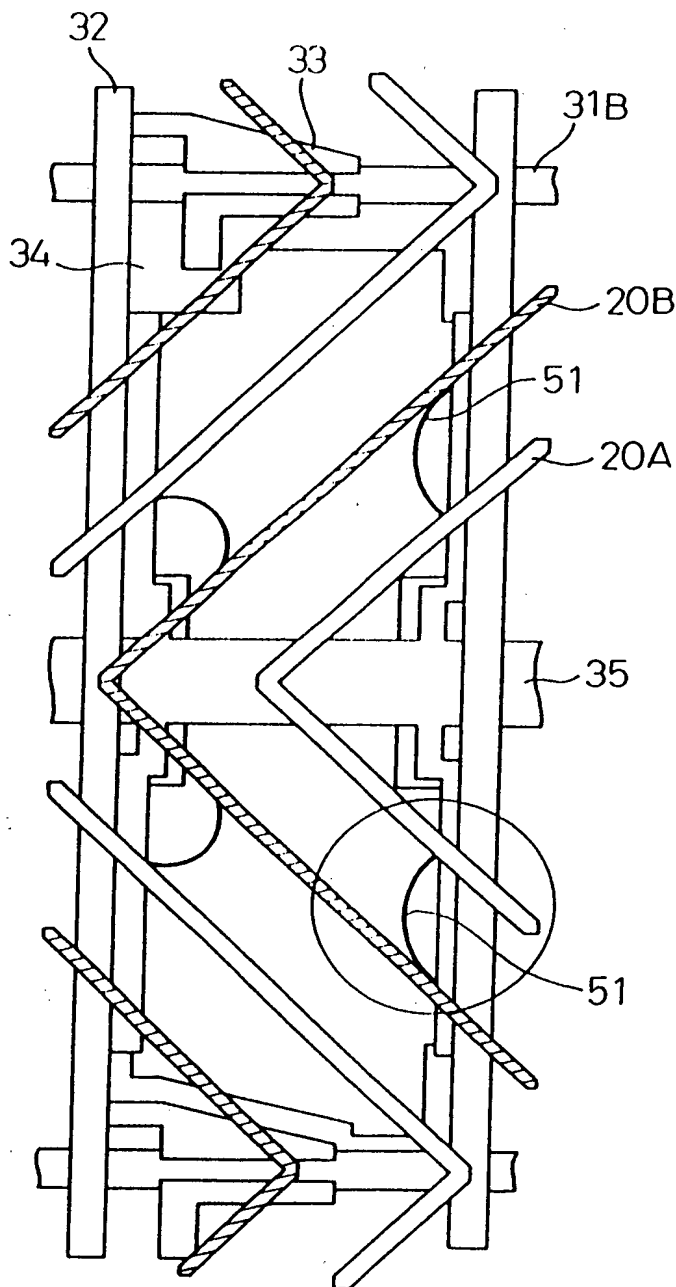
WHEN A VOLTAGE IS APPLIED





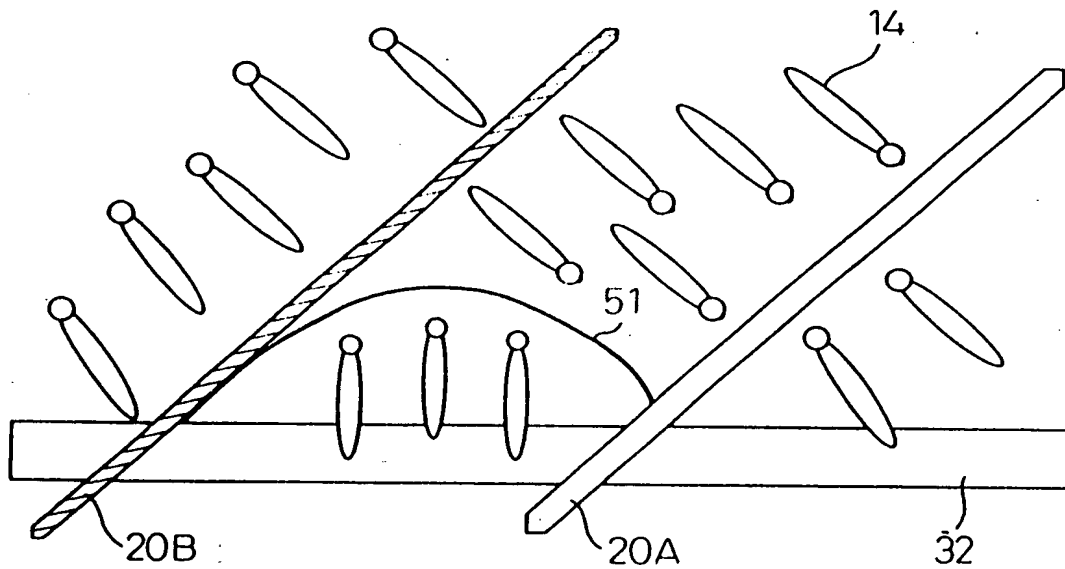
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Fig. 58



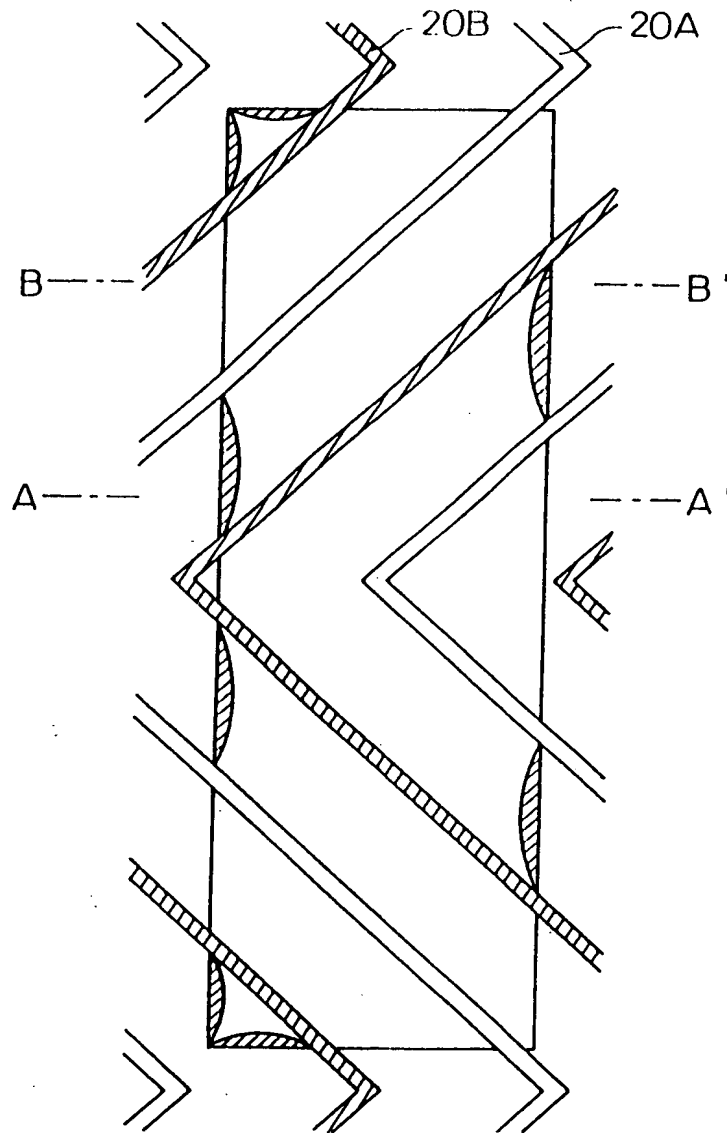
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Fig. 59



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Fig. 60



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Fig. 61A

A - A'

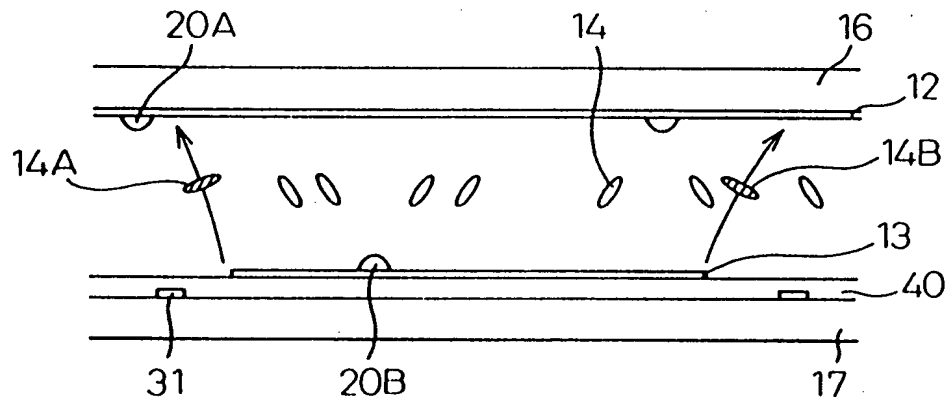
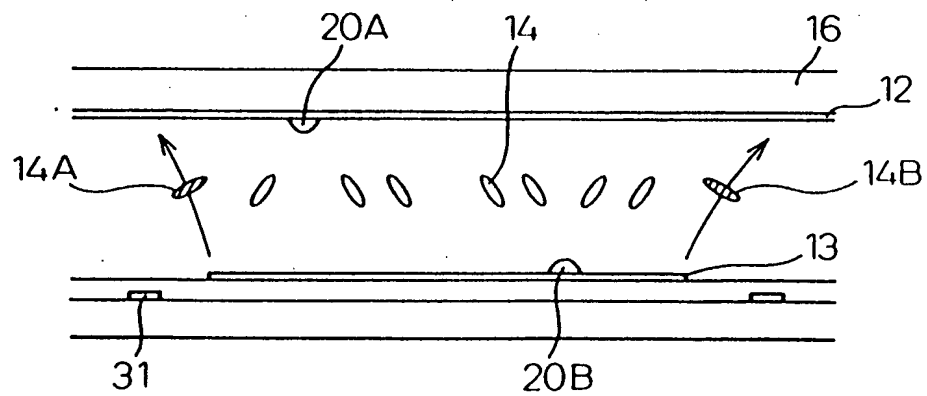


Fig. 61B

B - B'



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Fig. 62A

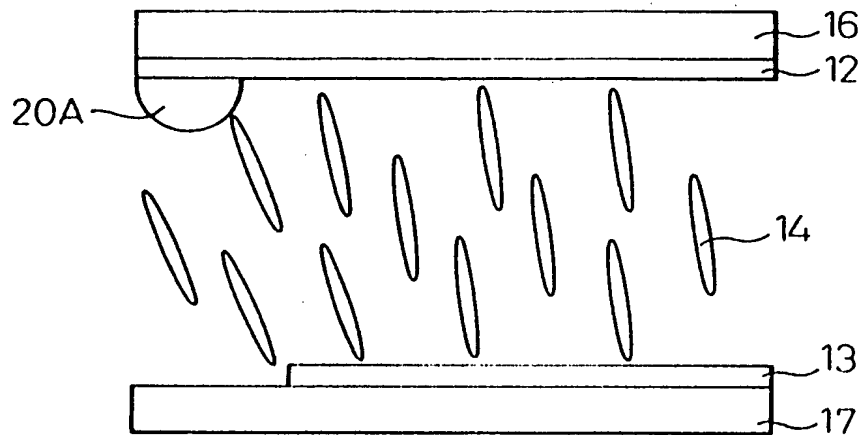
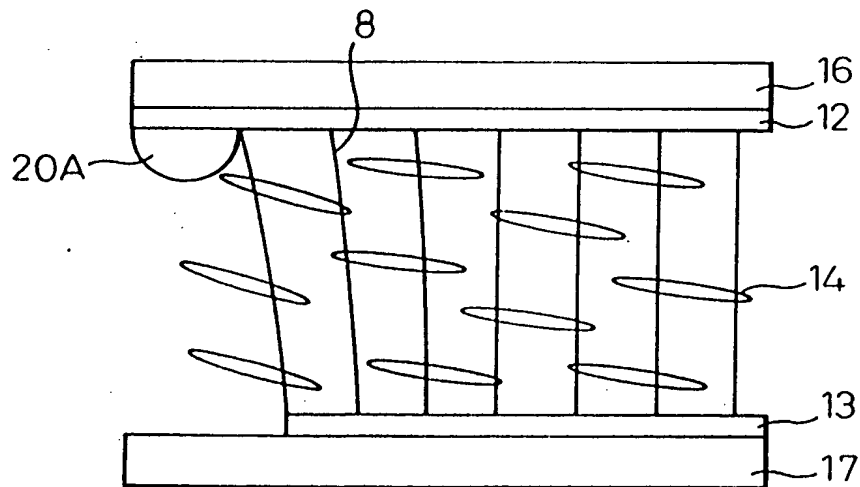
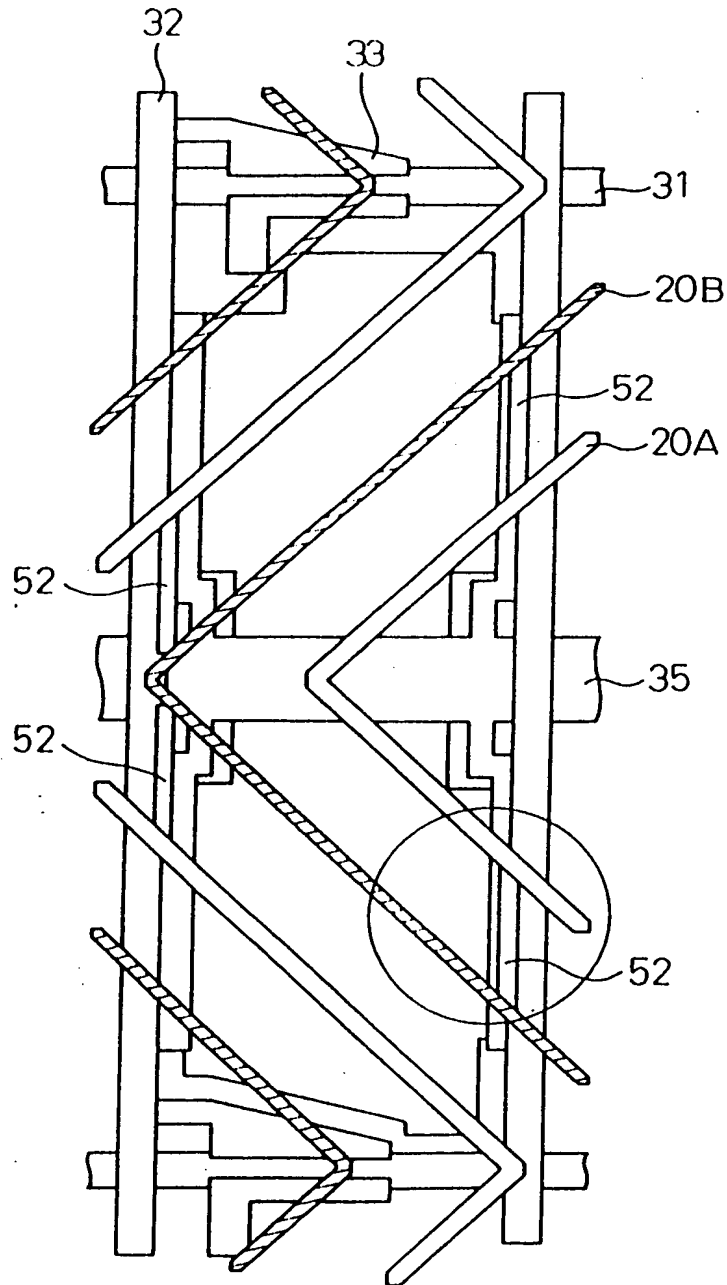


Fig. 62B



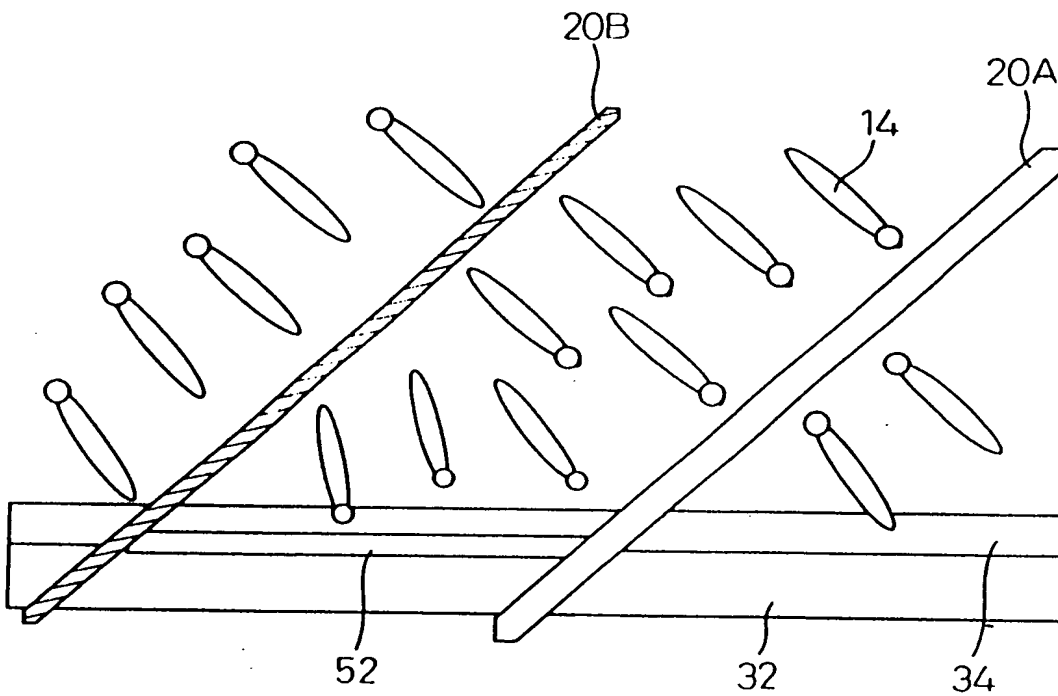
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Fig. 63



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Fig. 64



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Fig. 65A

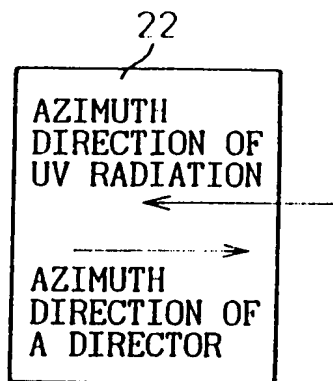
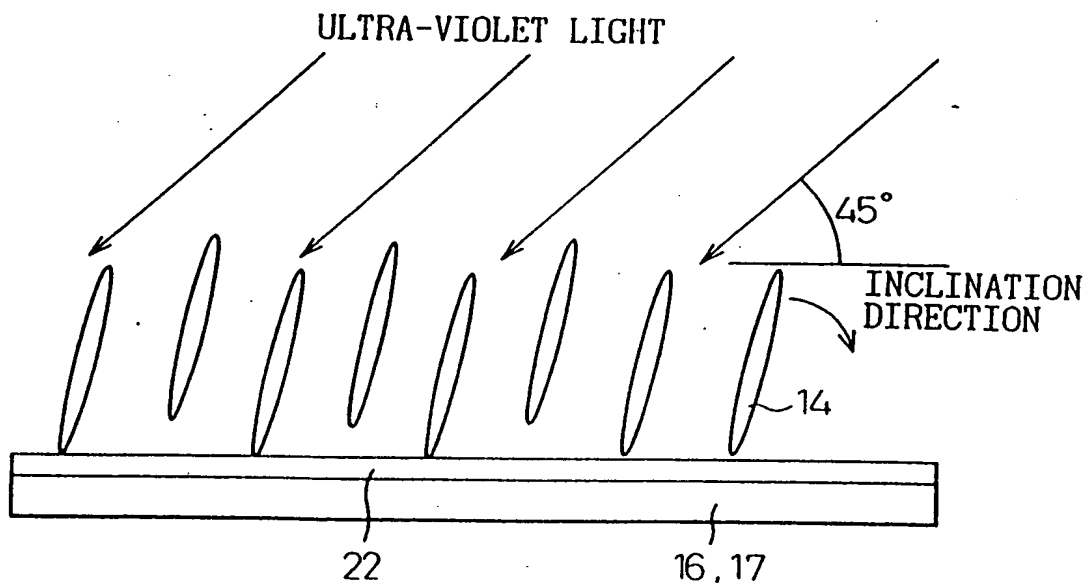


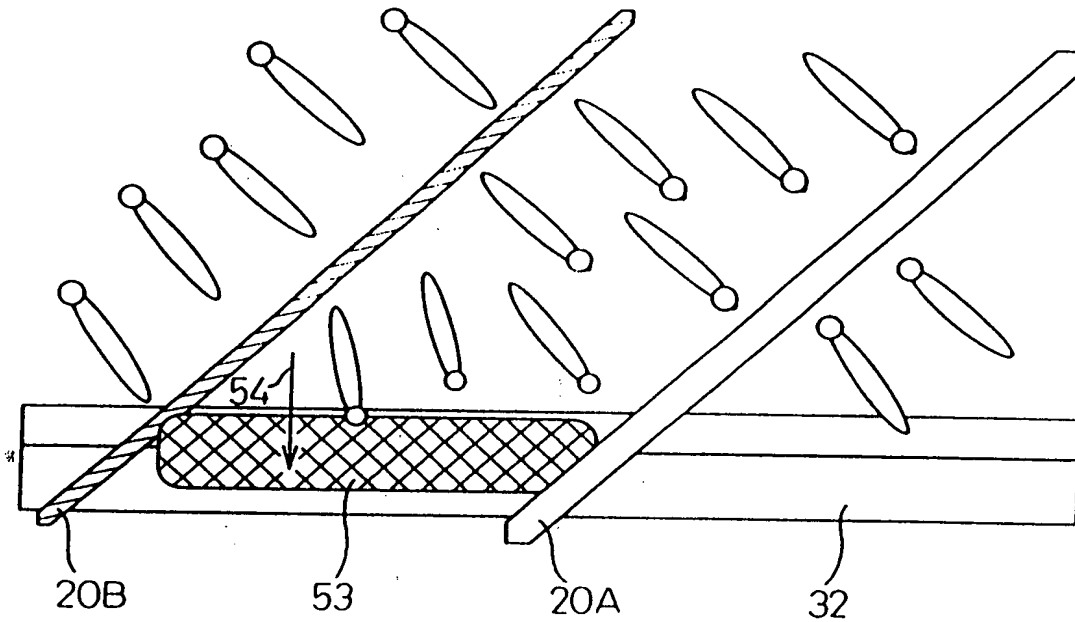
Fig. 65B





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Fig. 66



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Fig. 67A

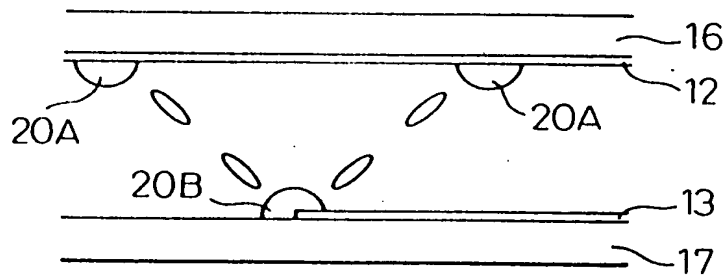


Fig. 67B

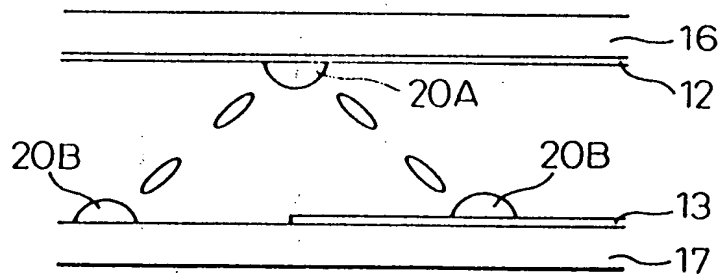
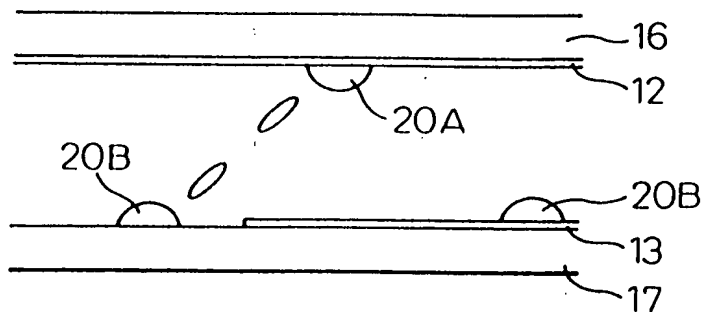
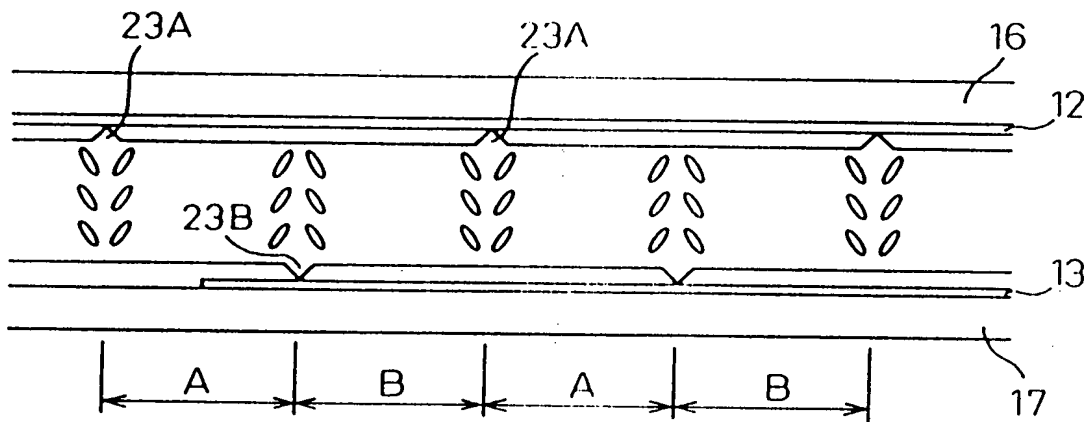


Fig. 67C



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Fig. 68



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Fig. 69A

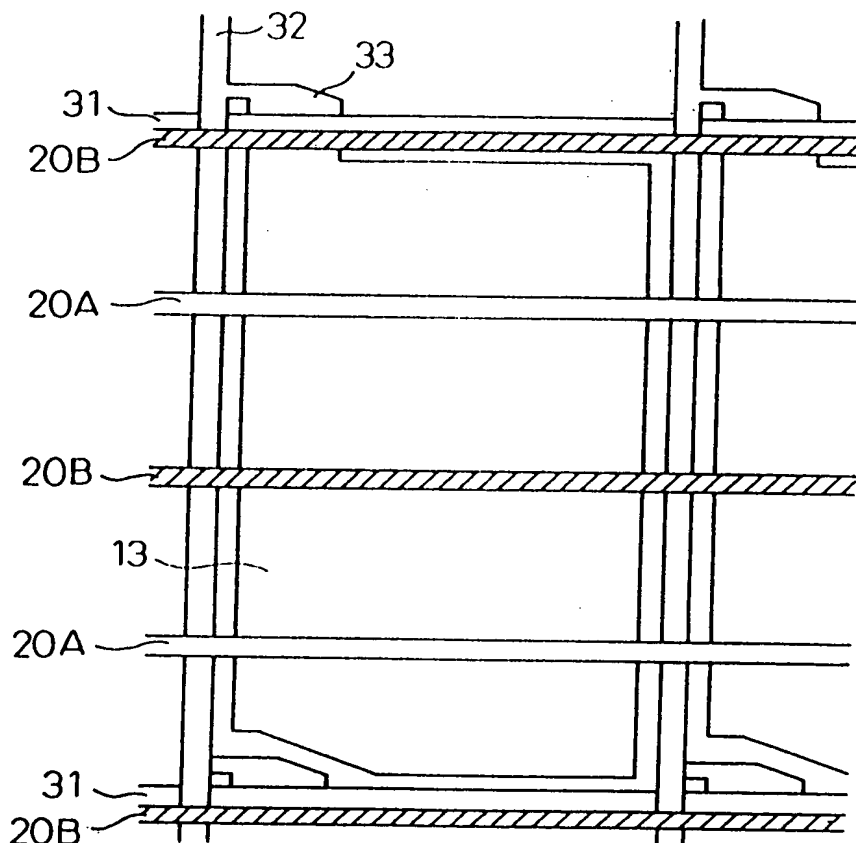
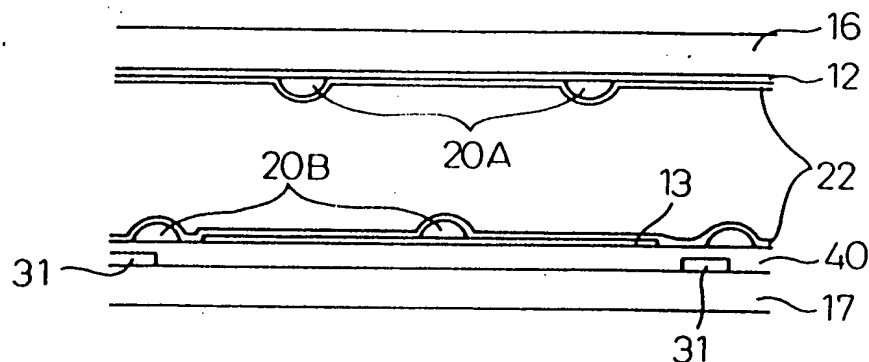


Fig. 69B



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Fig. 70A

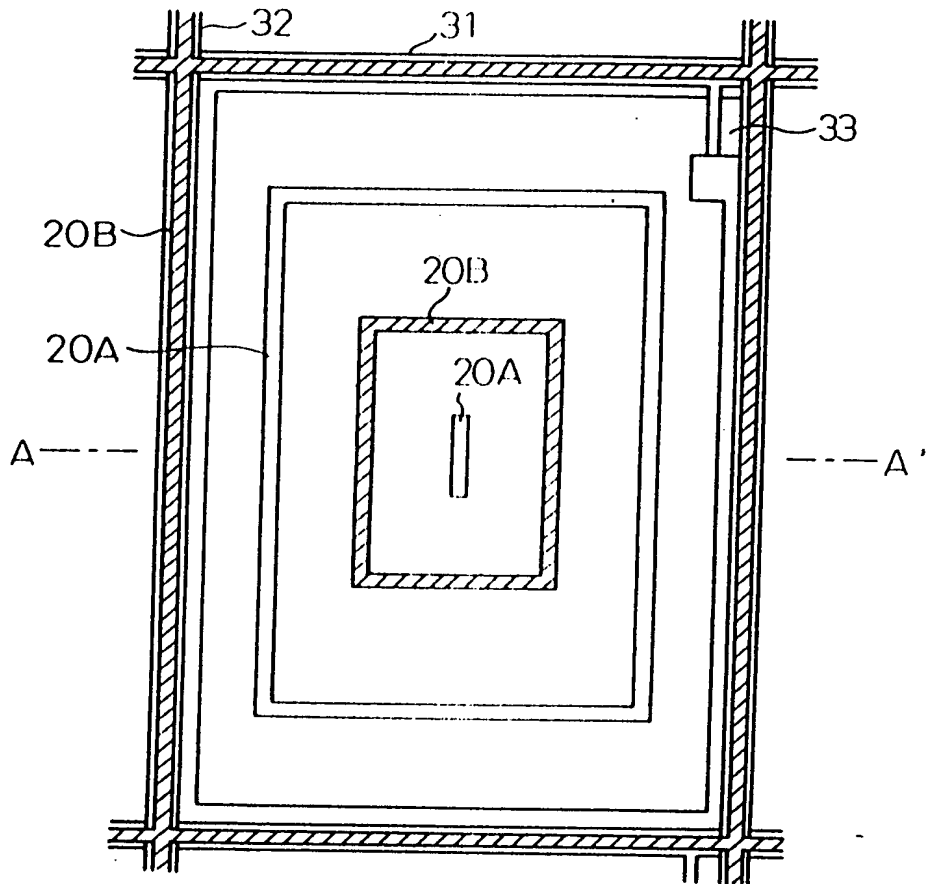
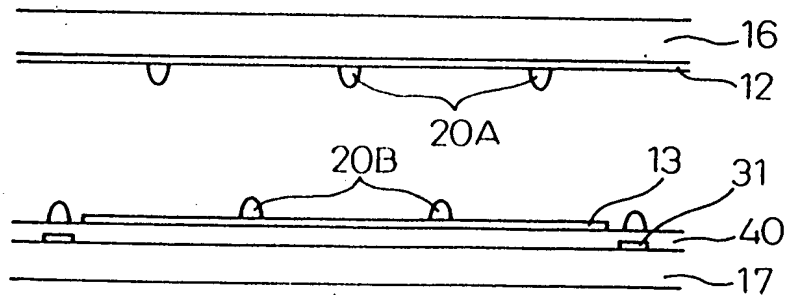
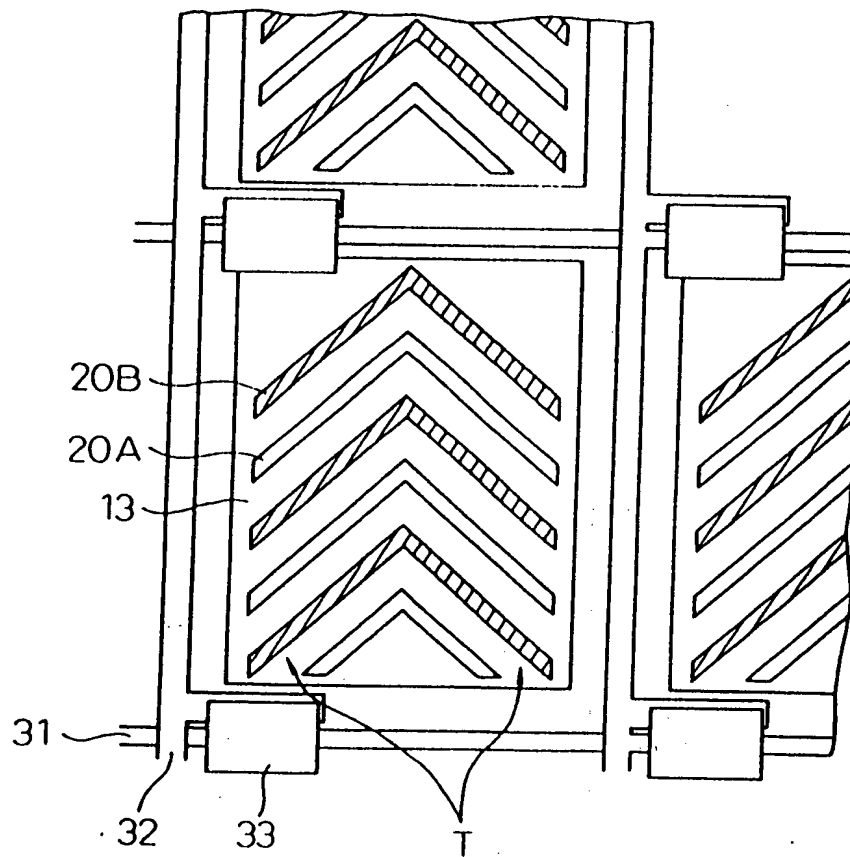


Fig. 70B



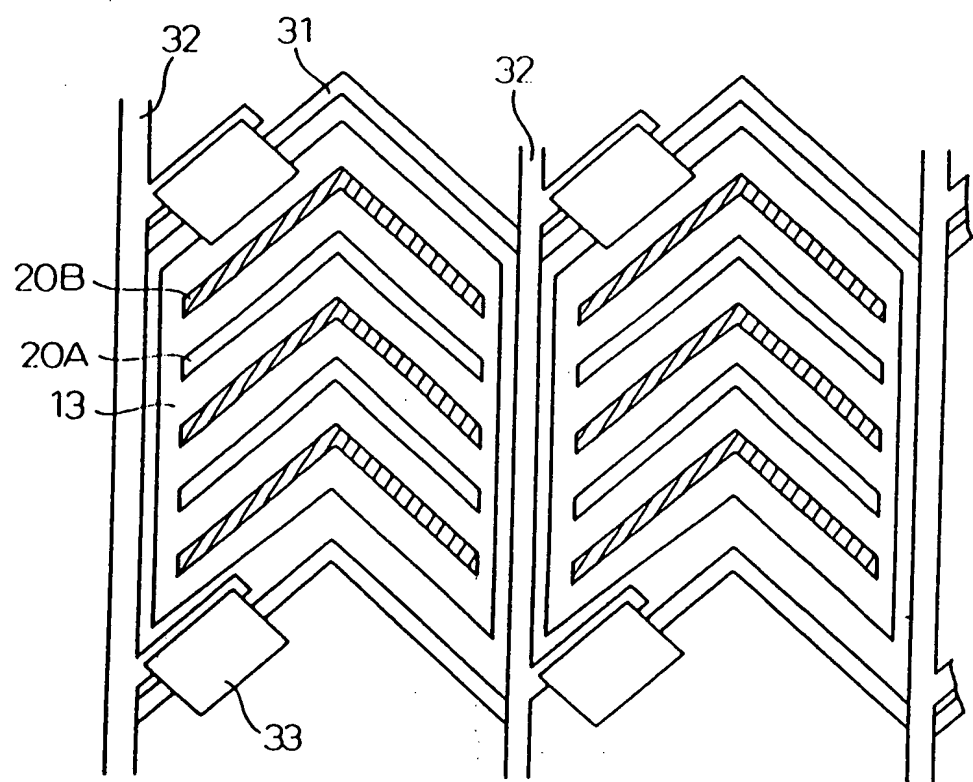
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Fig. 71



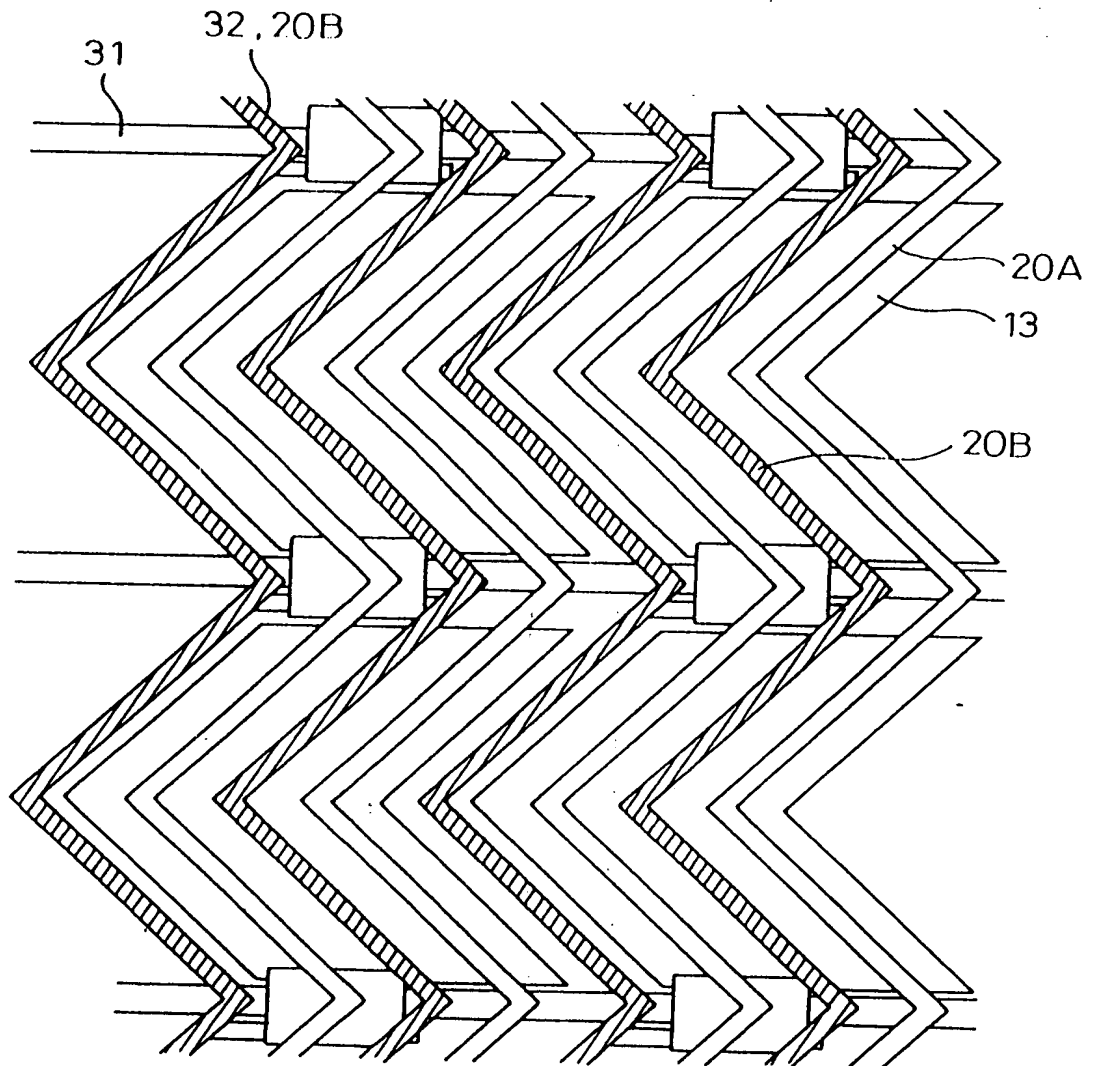
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Fig. 72



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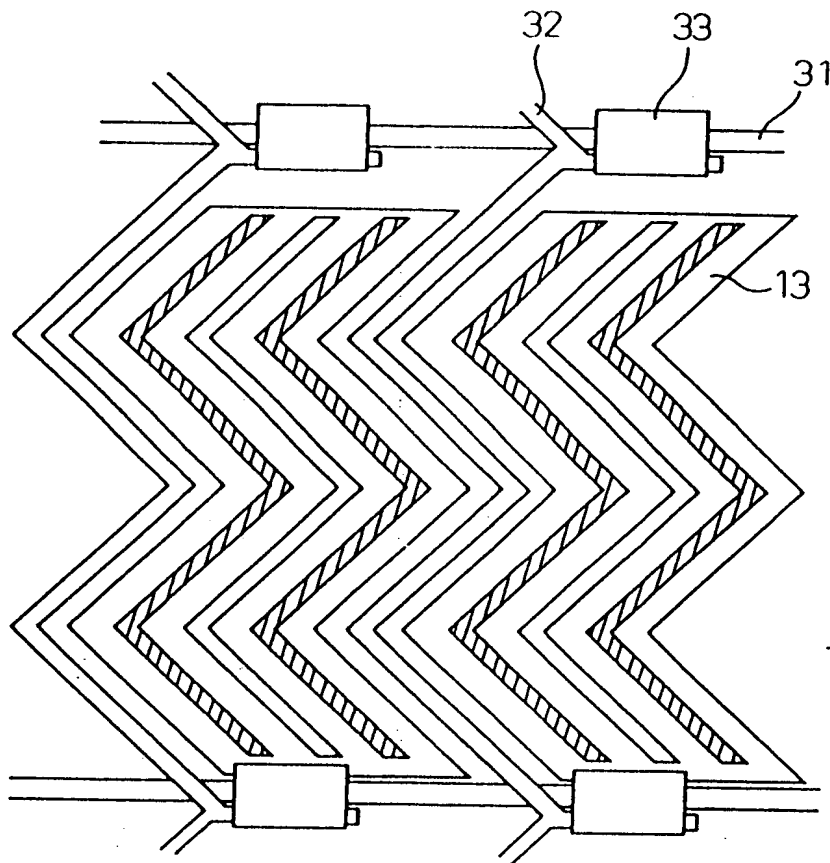
Fig. 73





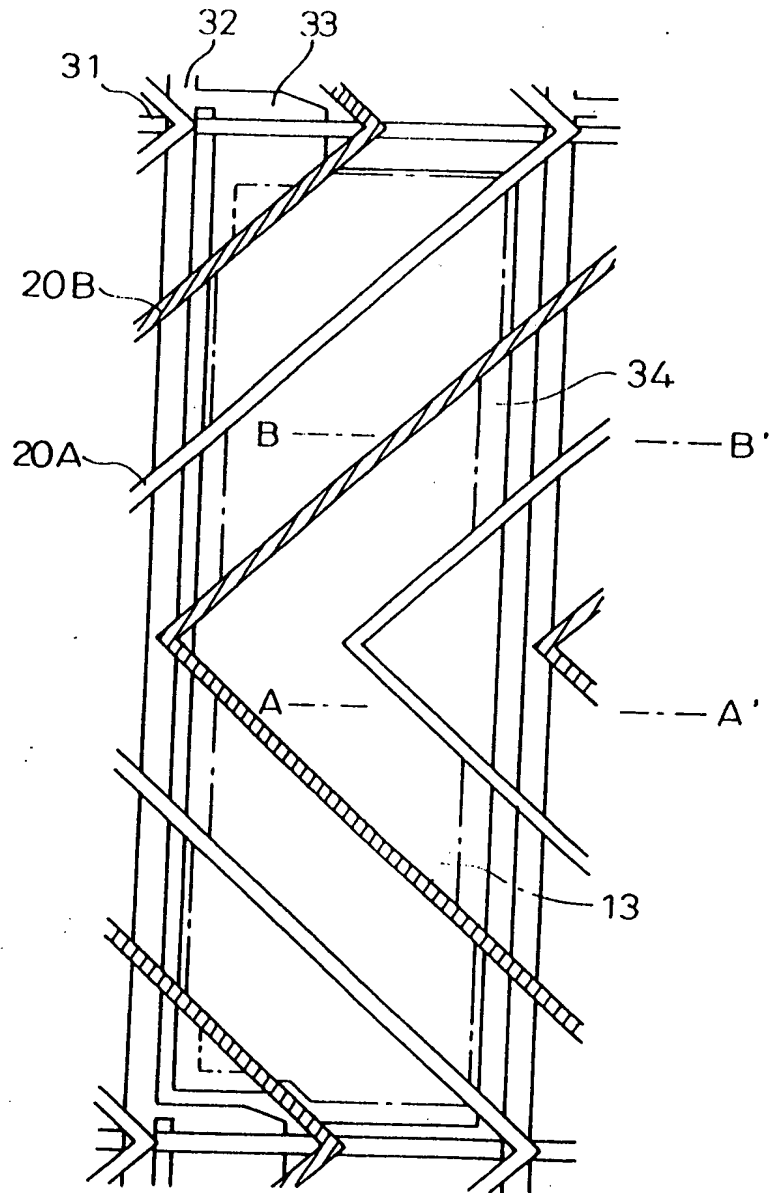
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Fig. 74



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Fig. 75



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Fig. 76A

A-A'

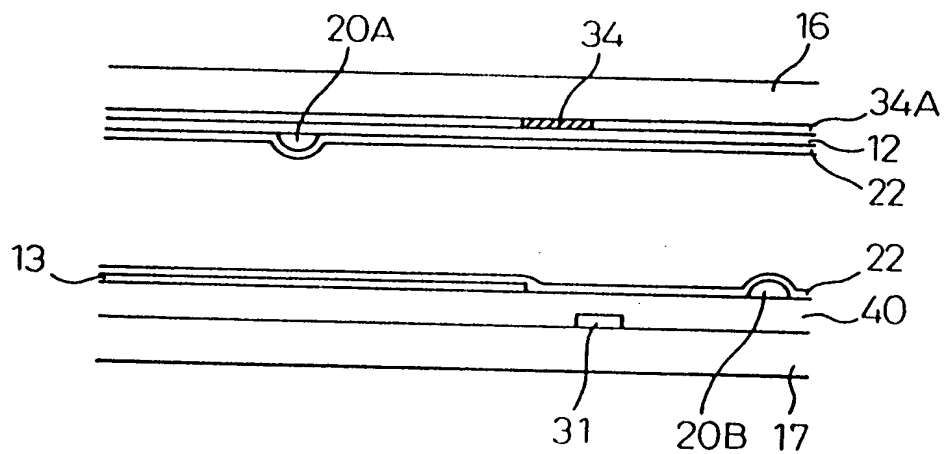
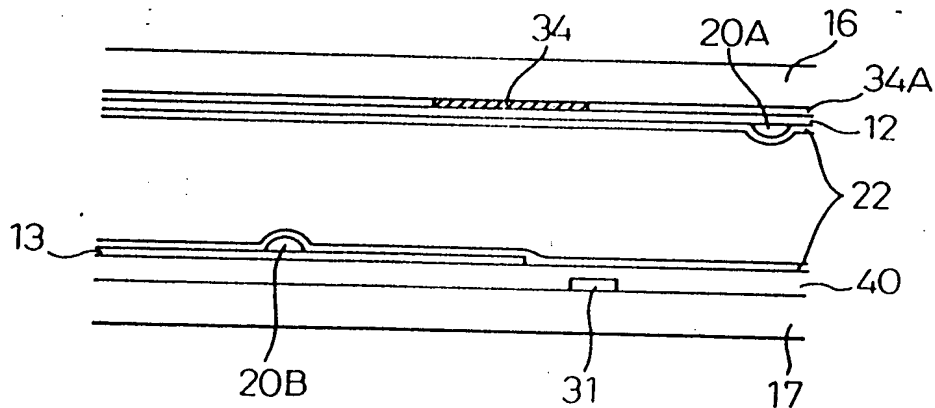


Fig. 76B

B-B'



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Fig.77A

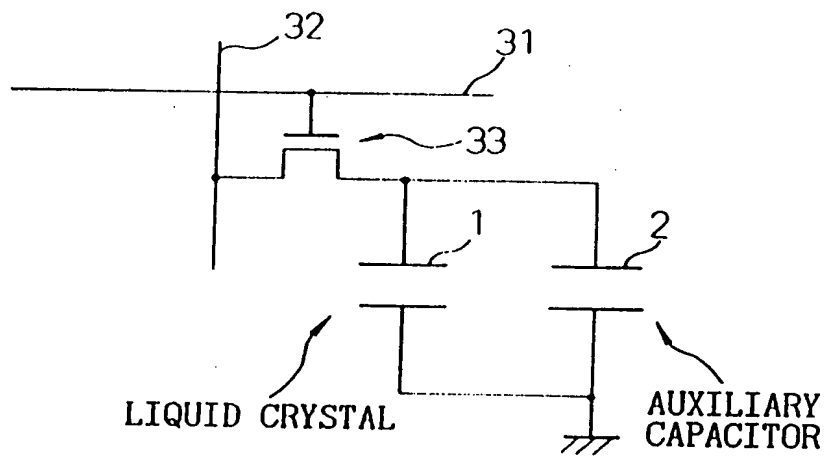
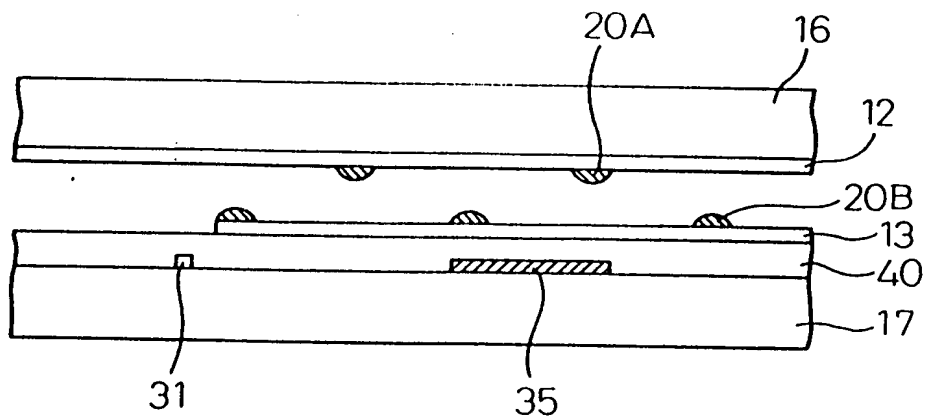


Fig.77B



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Fig.78A

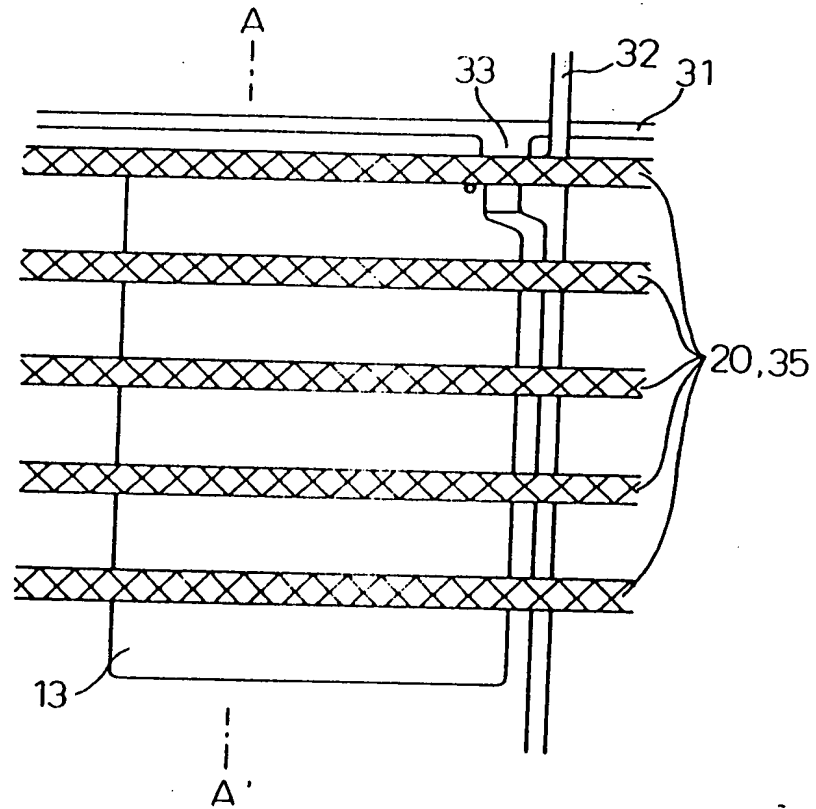
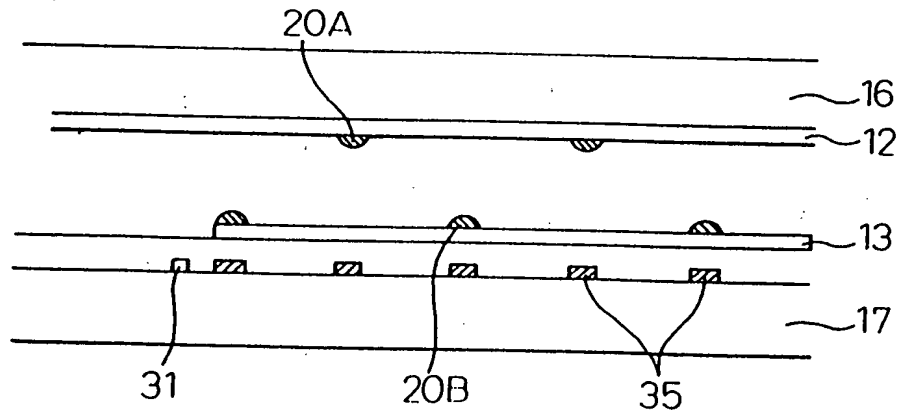


Fig.78B



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Fig. 79A

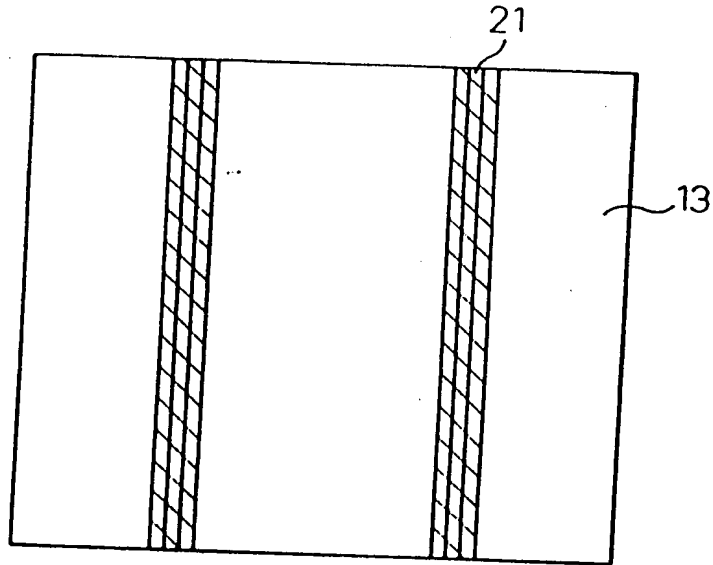
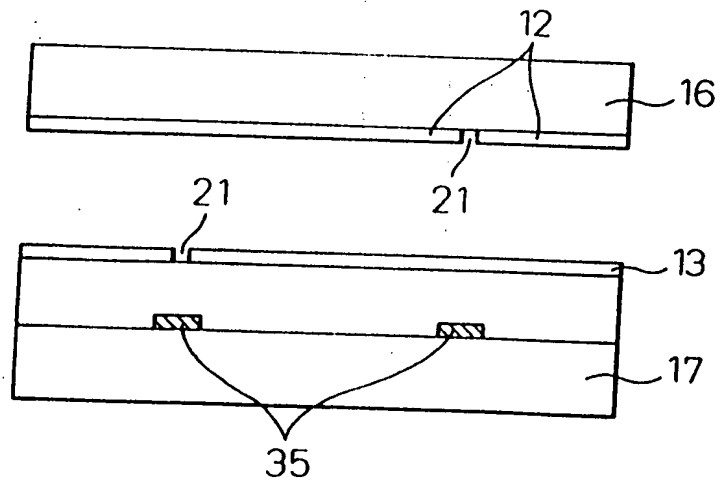


Fig. 79B



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Fig. 80A

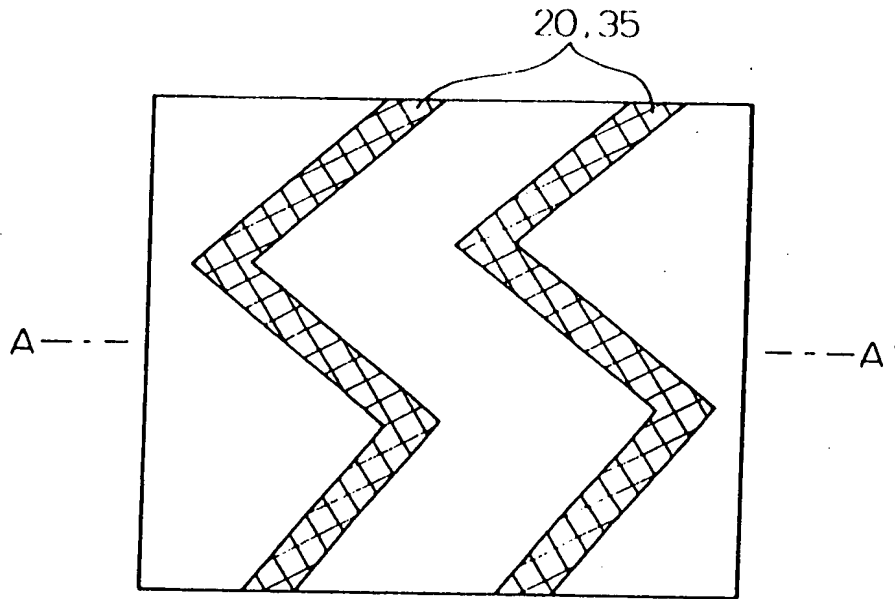
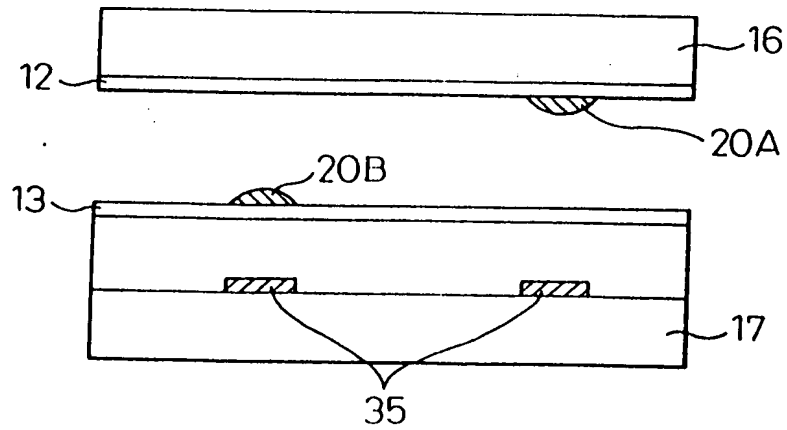


Fig. 80B



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Fig. 81A

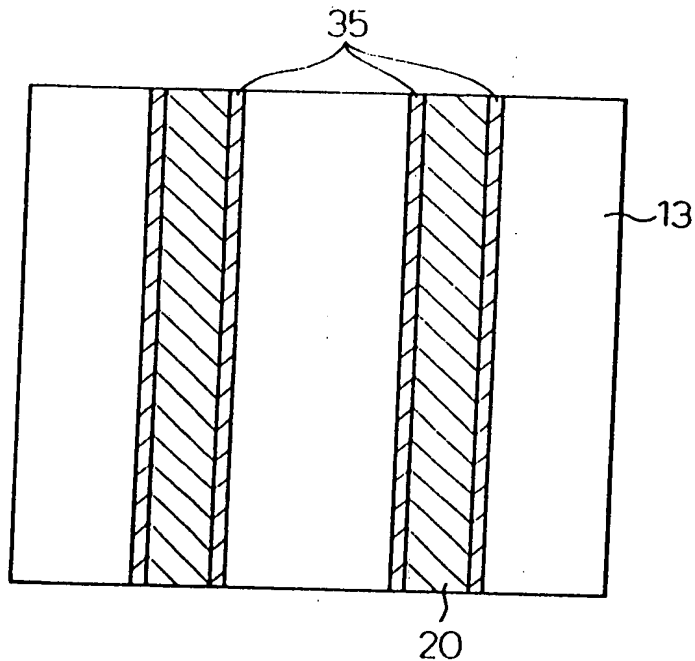
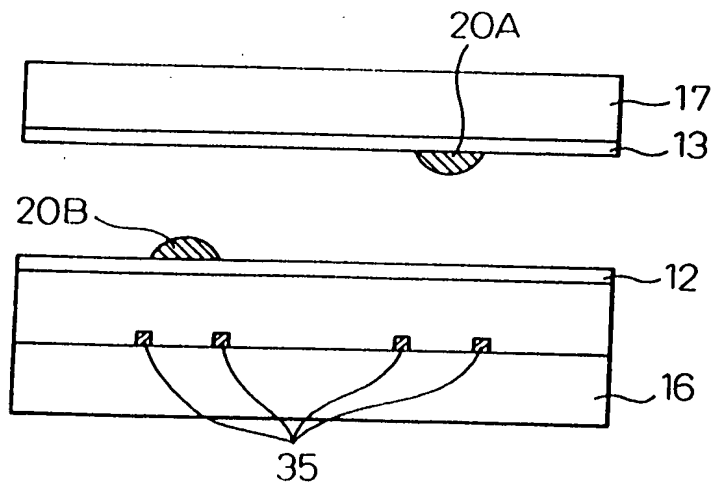


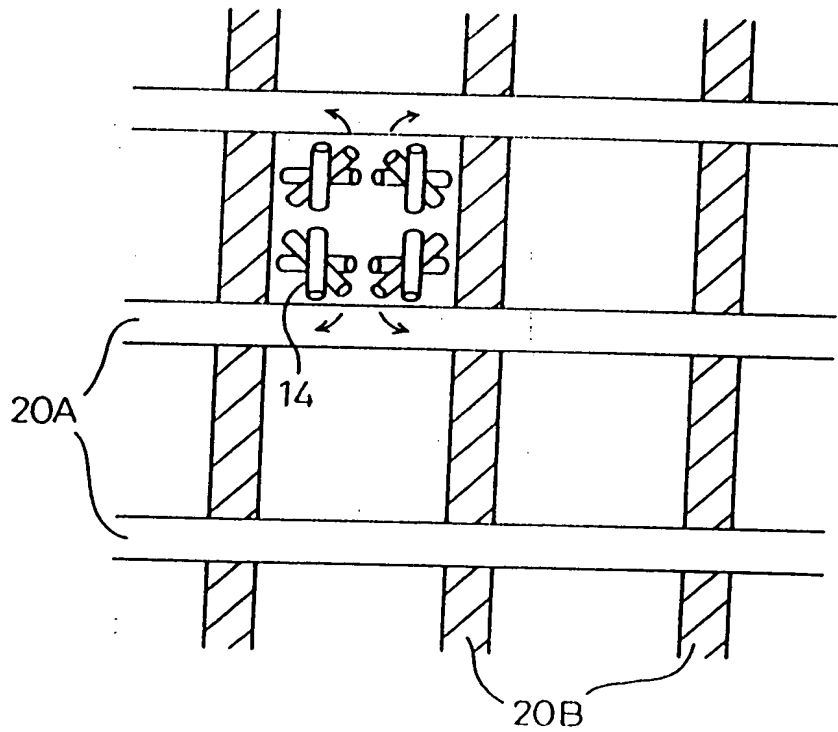
Fig. 81B





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Fig. 82



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Fig. 83A

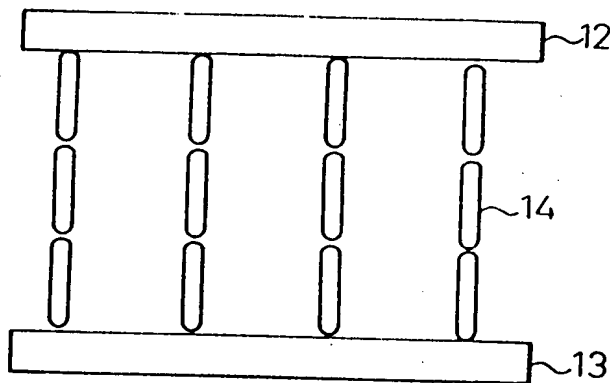


Fig. 83B

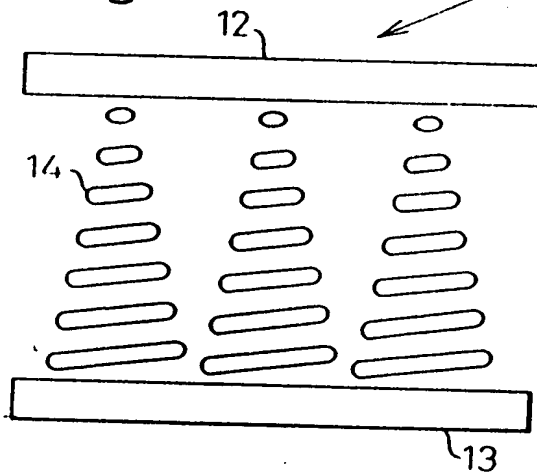


Fig. 83C

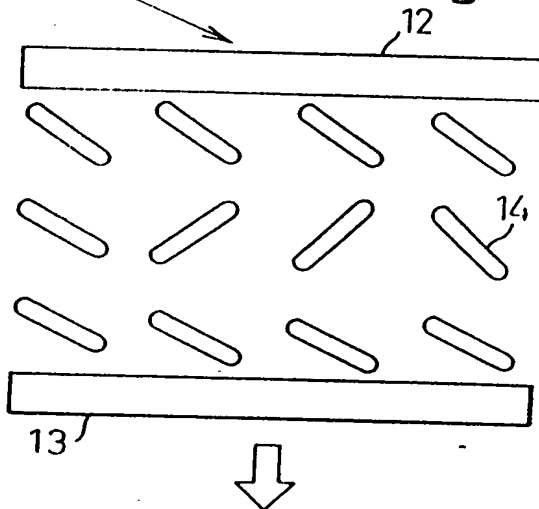
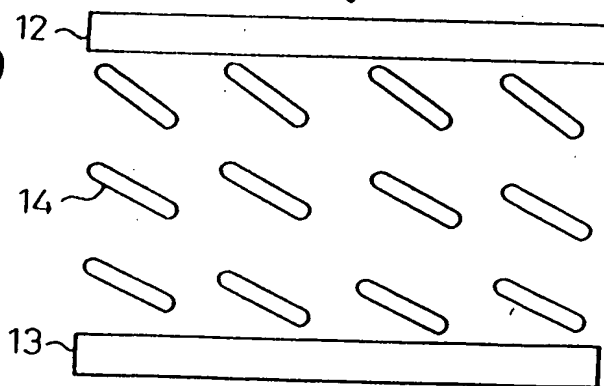
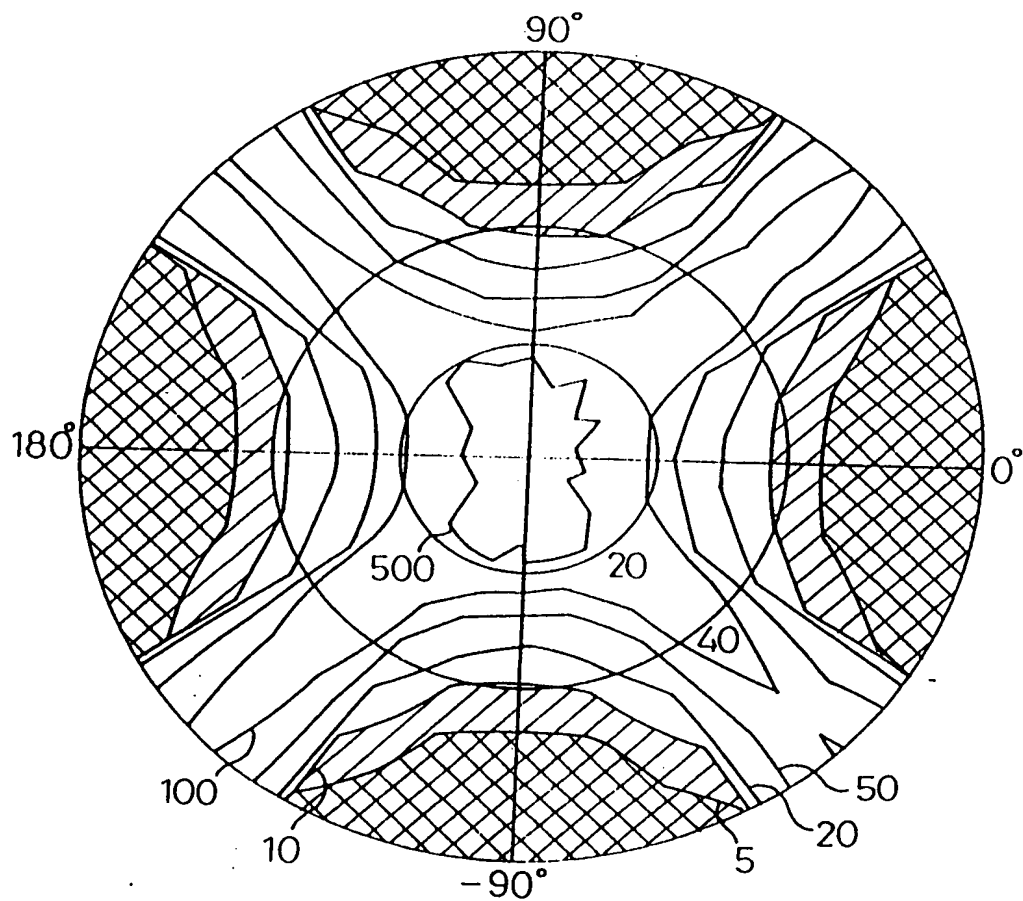


Fig. 83D



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Fig. 84



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Fig. 85A

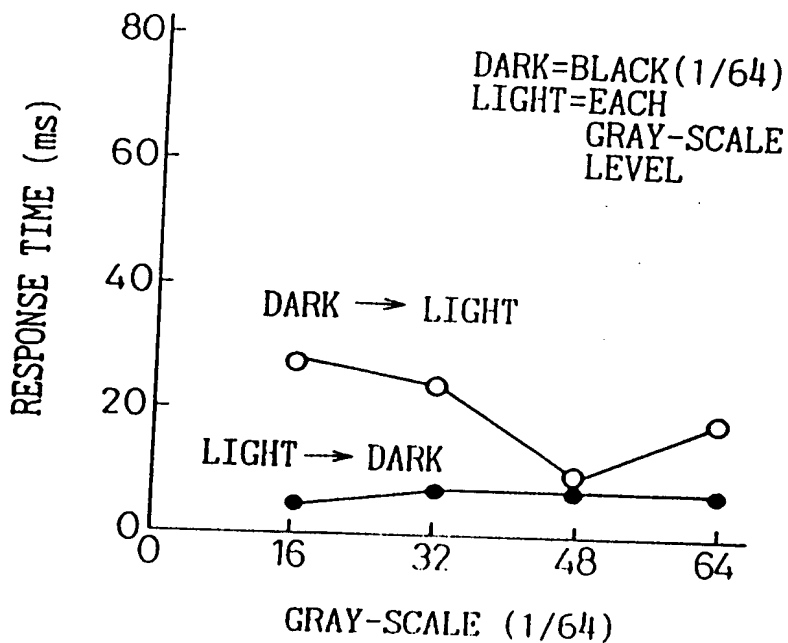
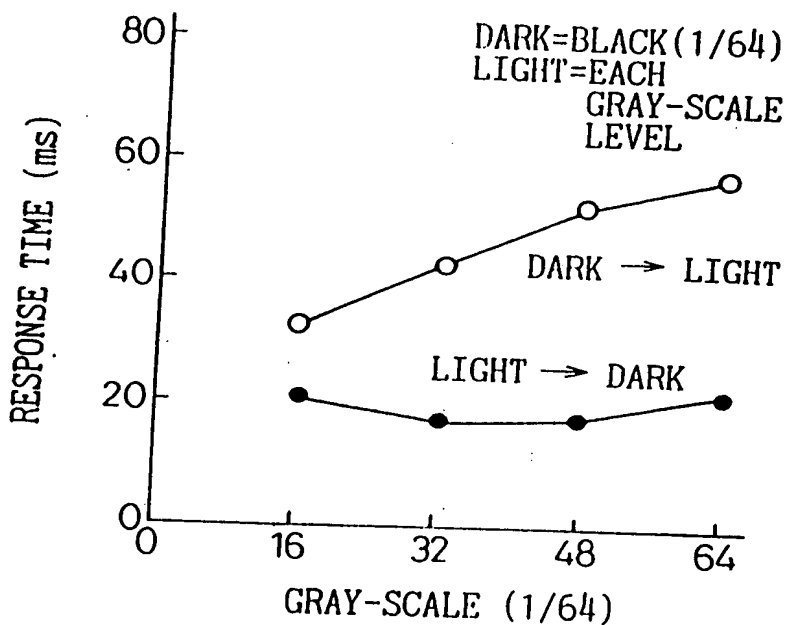


Fig. 85B



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Fig. 85C

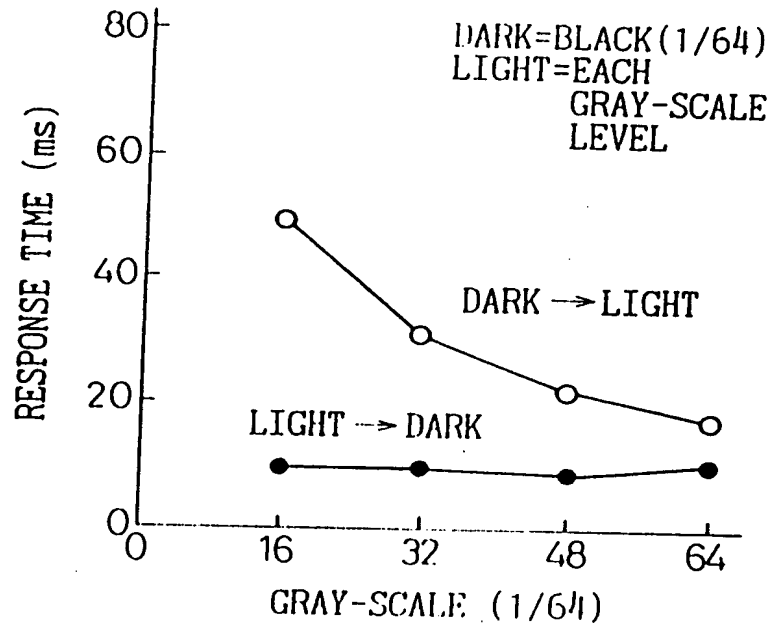
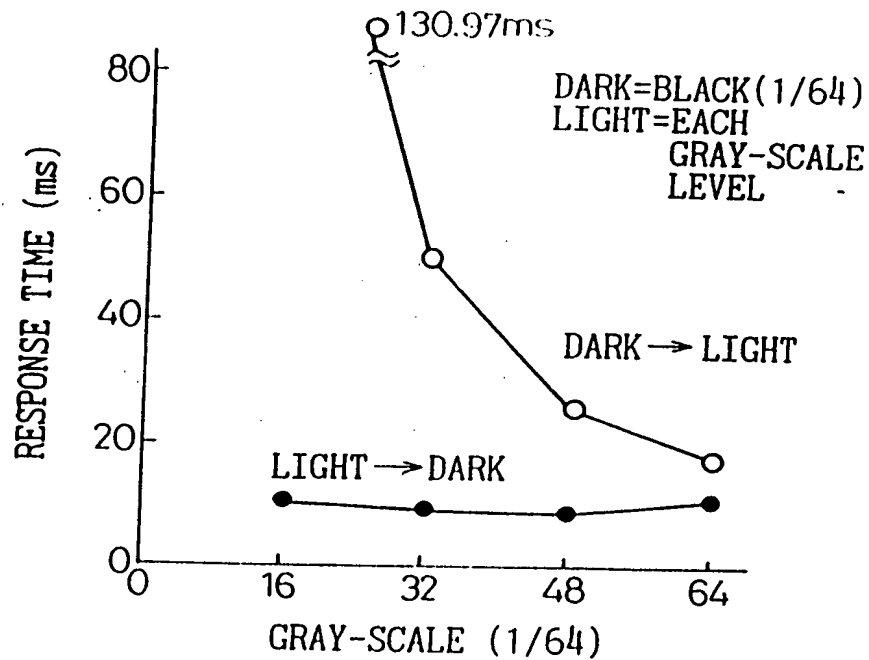


Fig. 85D



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Fig.86A

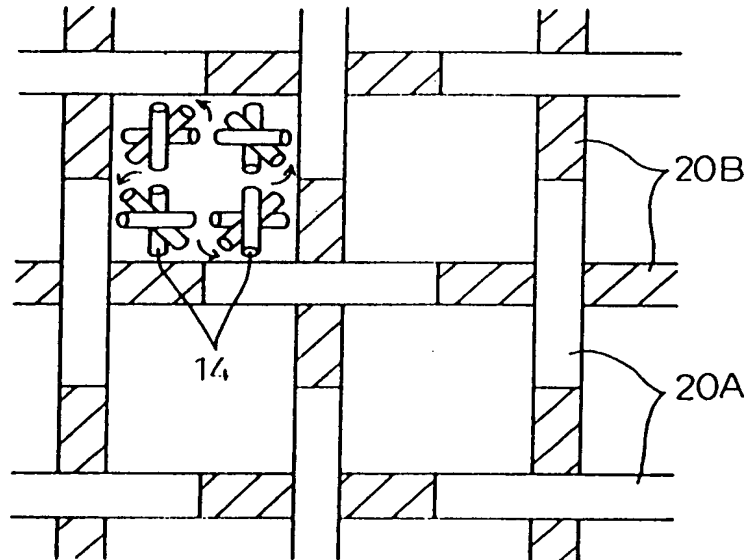
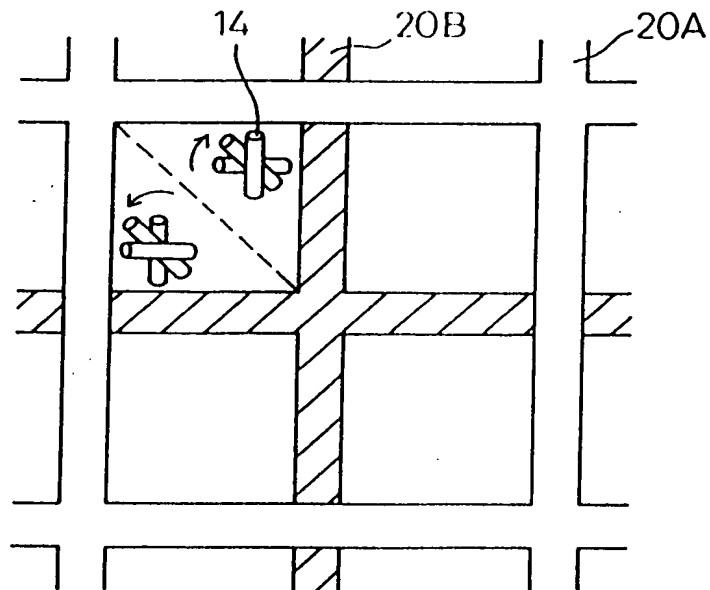
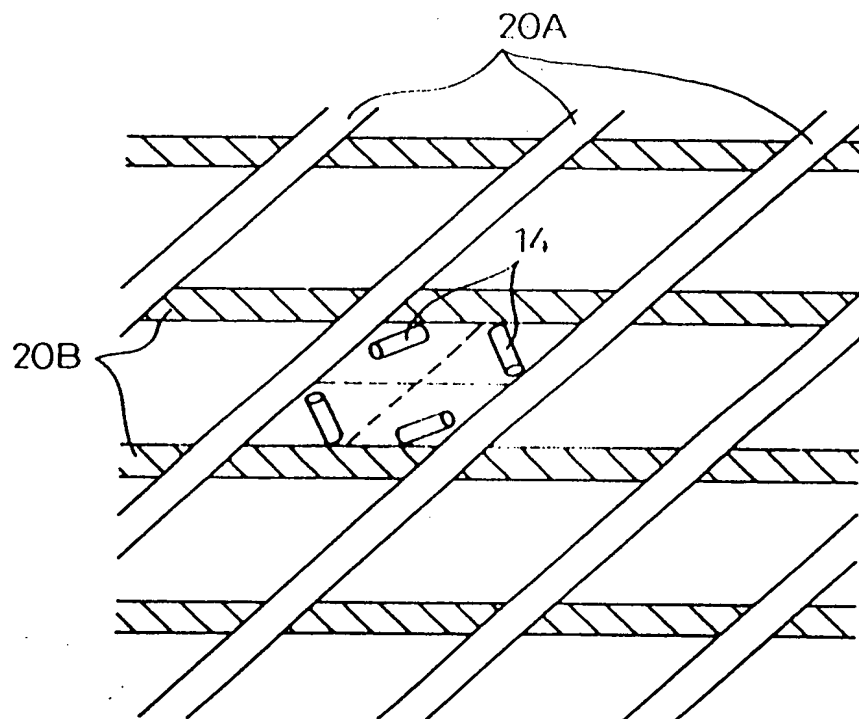


Fig.86B



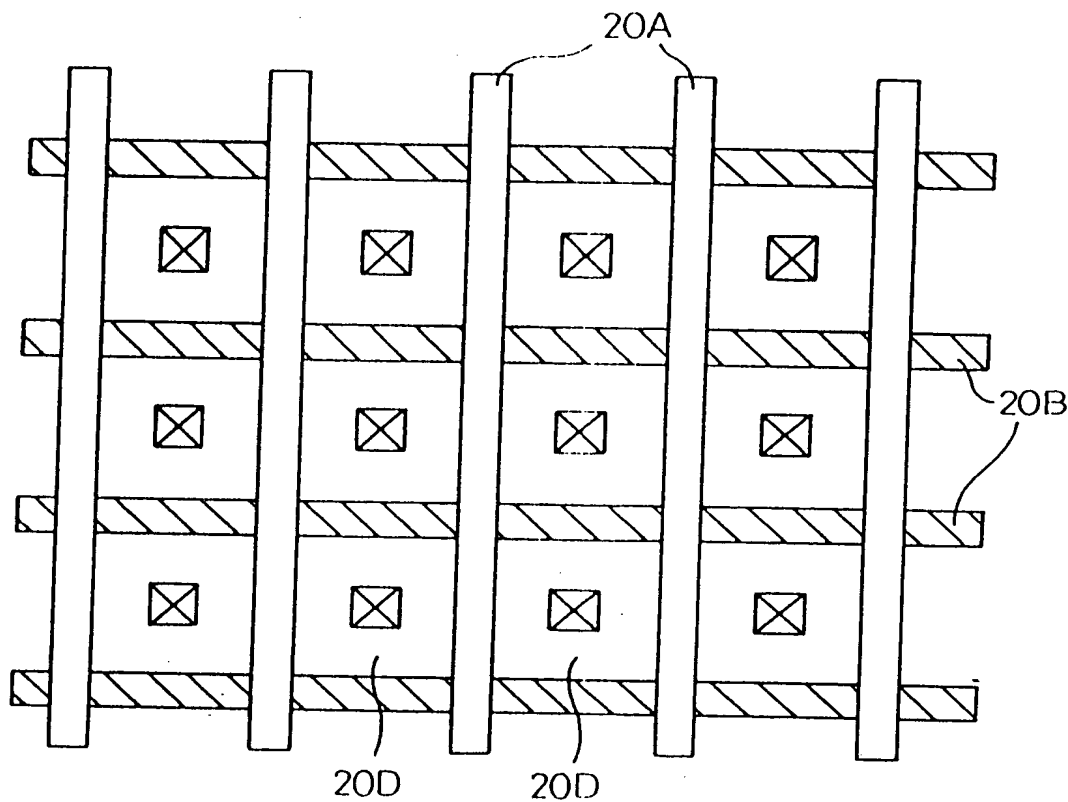
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Fig. 87



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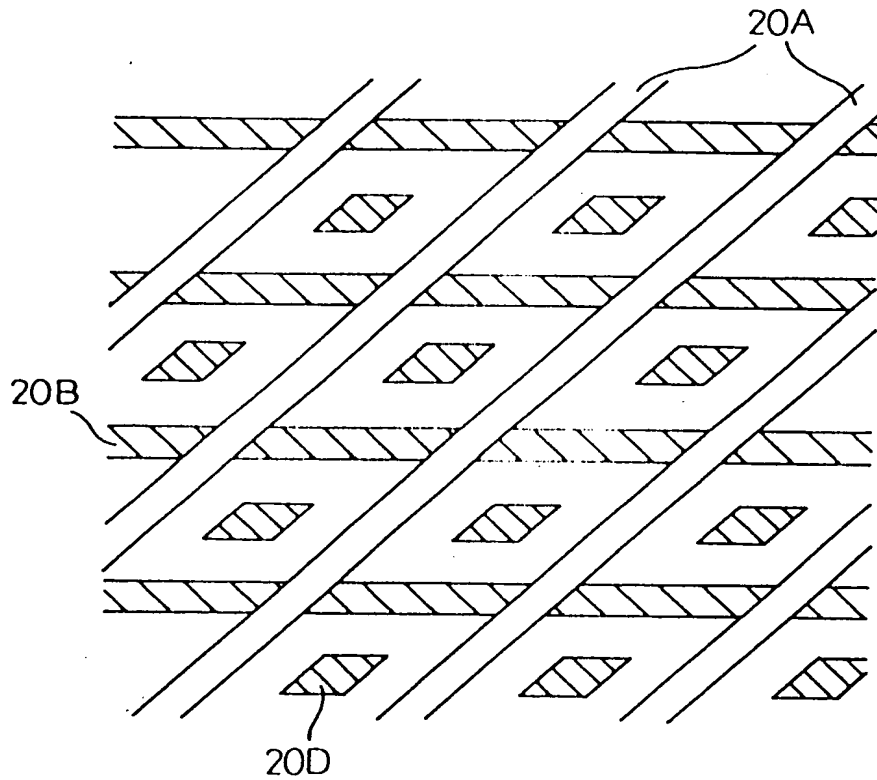
Fig. 88





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Fig. 89



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Fig. 90A

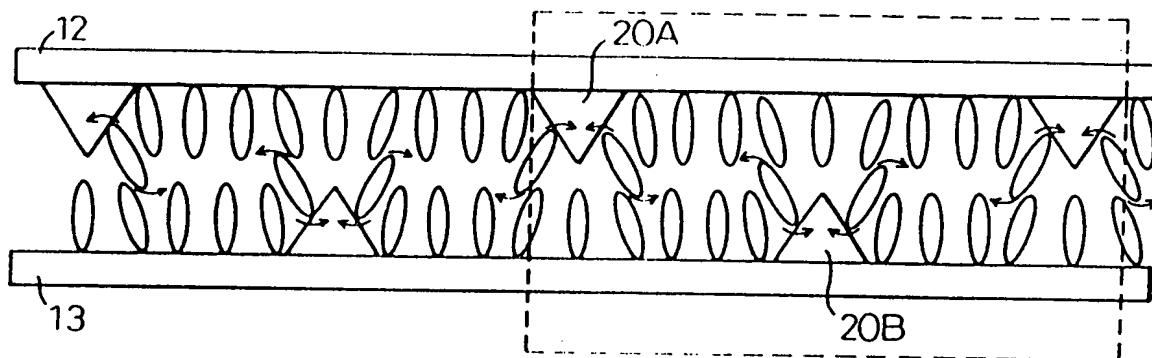
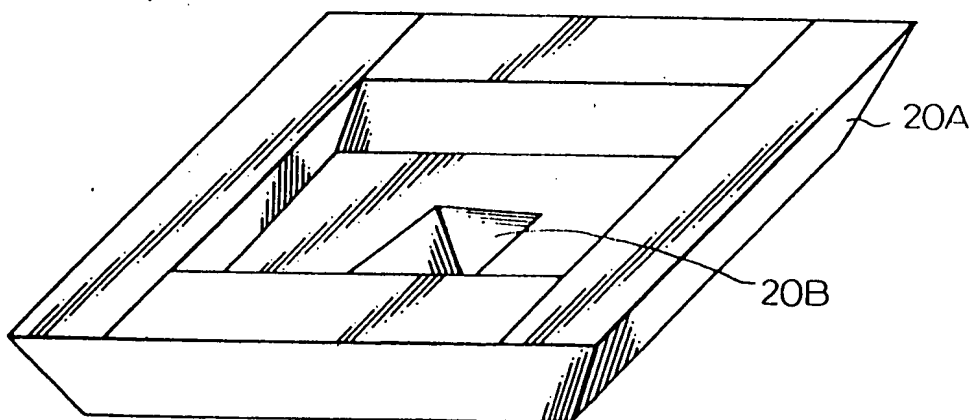
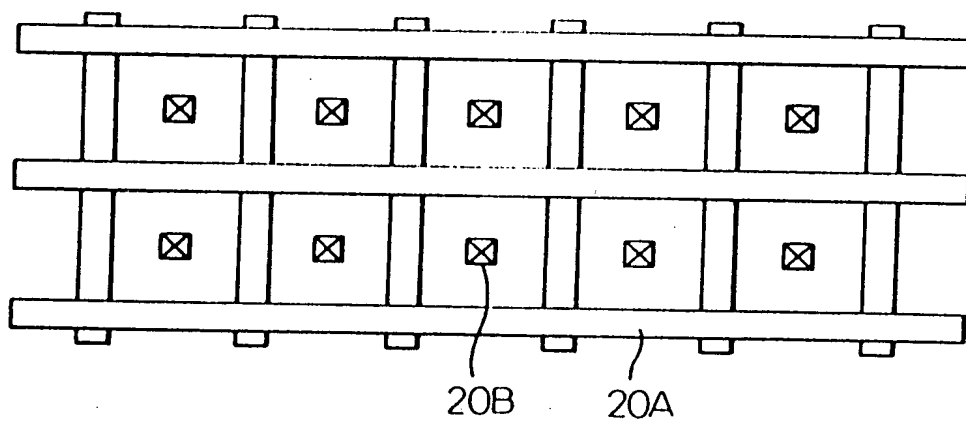


Fig. 90B



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Fig. 91



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Fig.92A

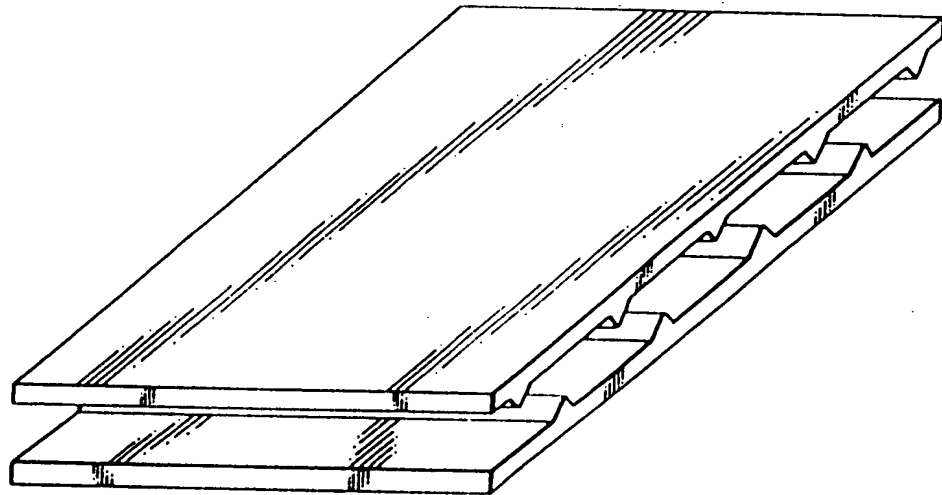
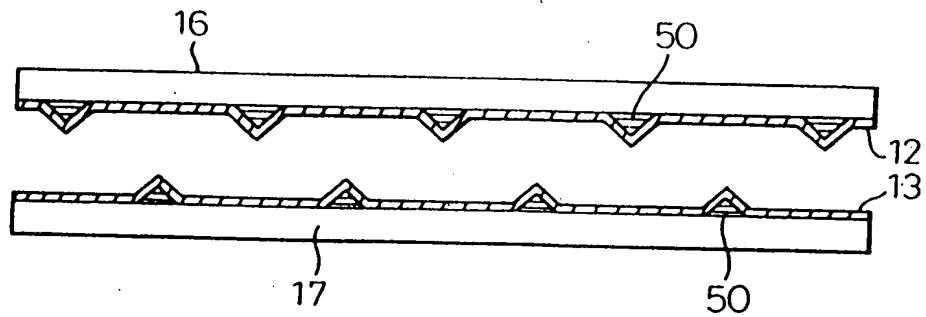
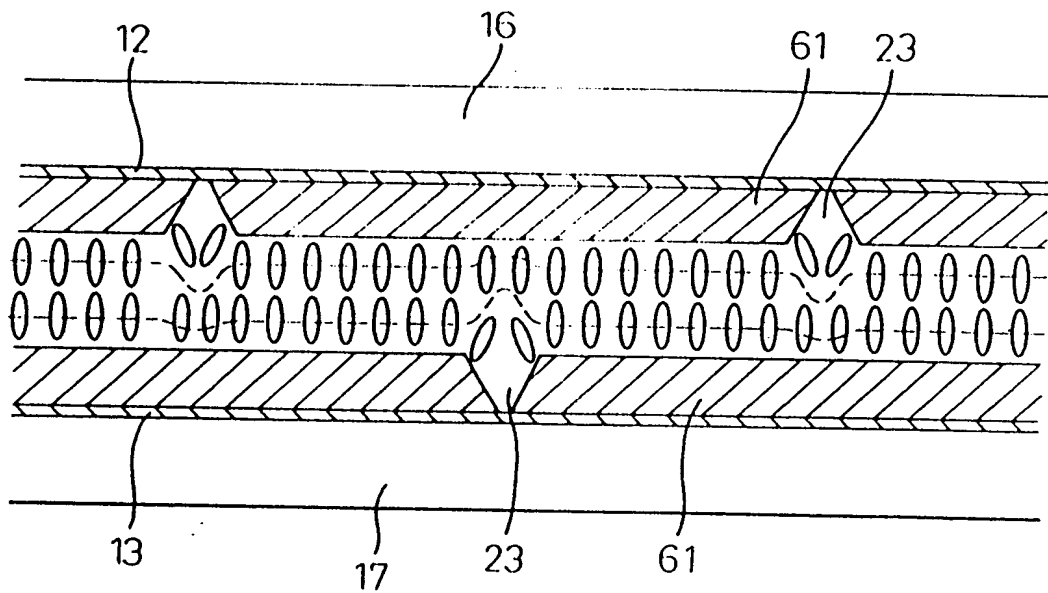


Fig.92B



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Fig. 93



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Fig. 94

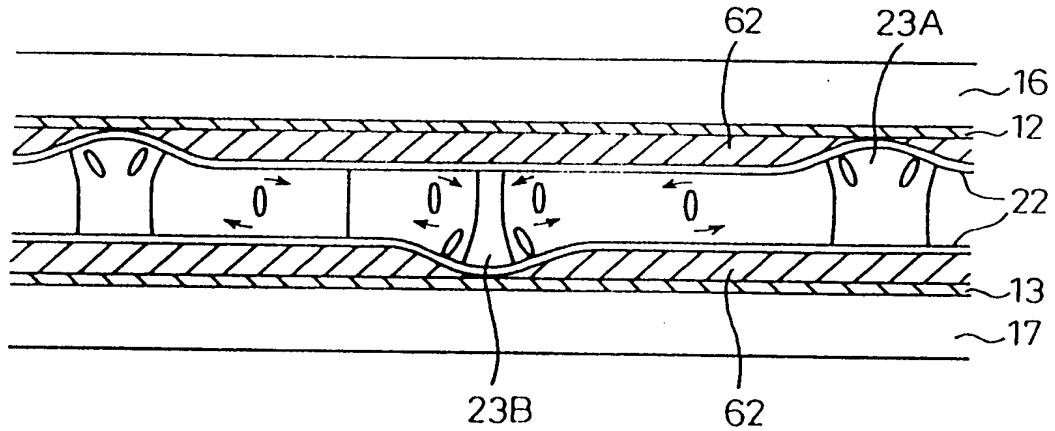
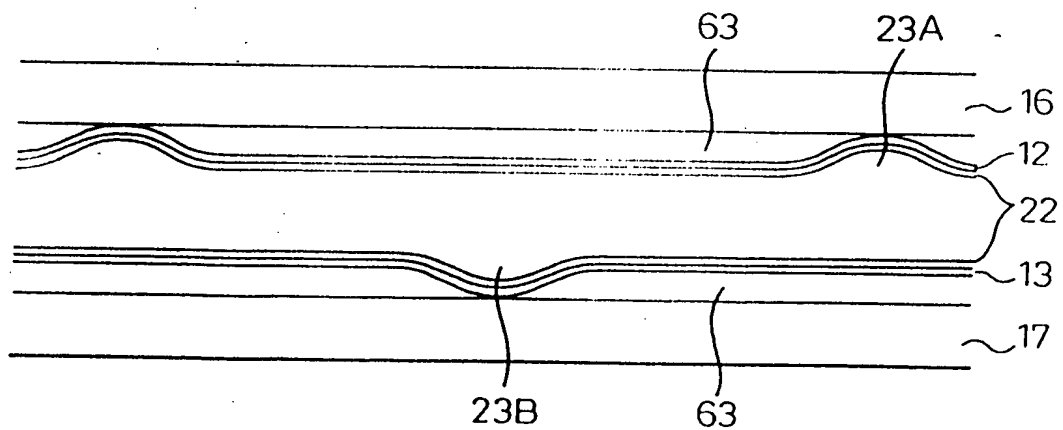


Fig. 95



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Fig.96

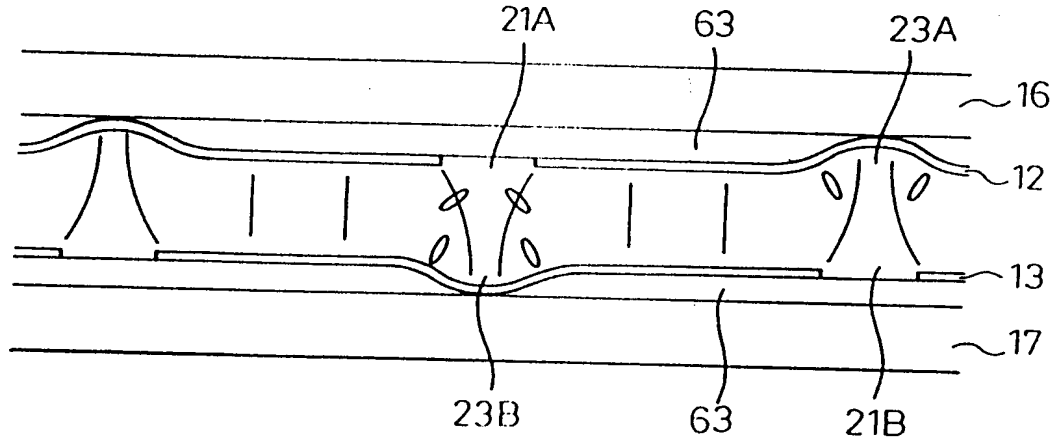


Fig.97

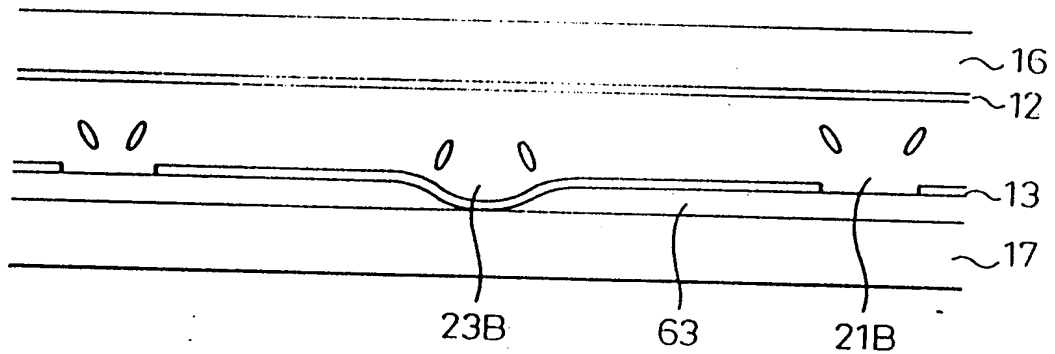
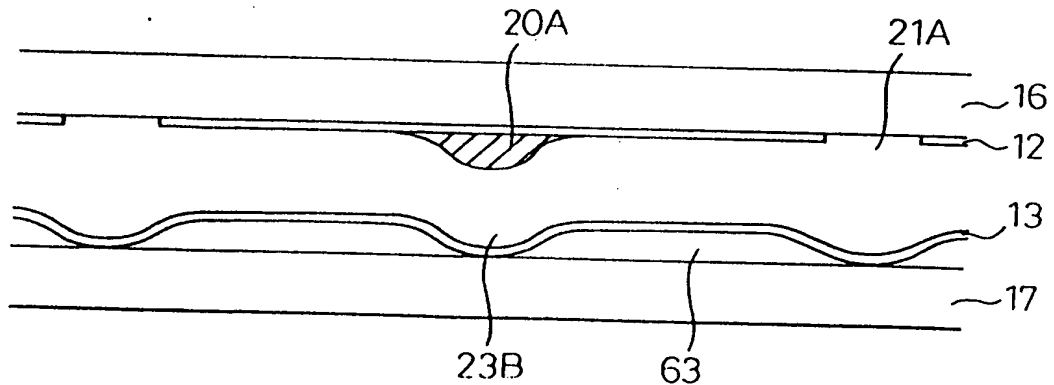


Fig.98



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Fig.99A

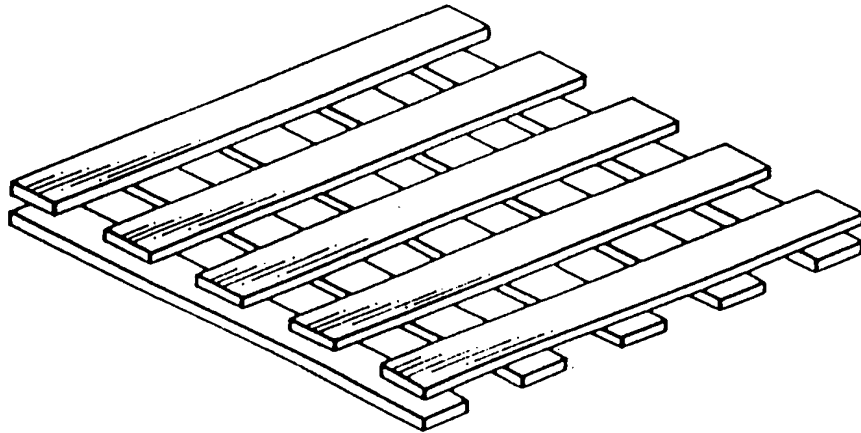
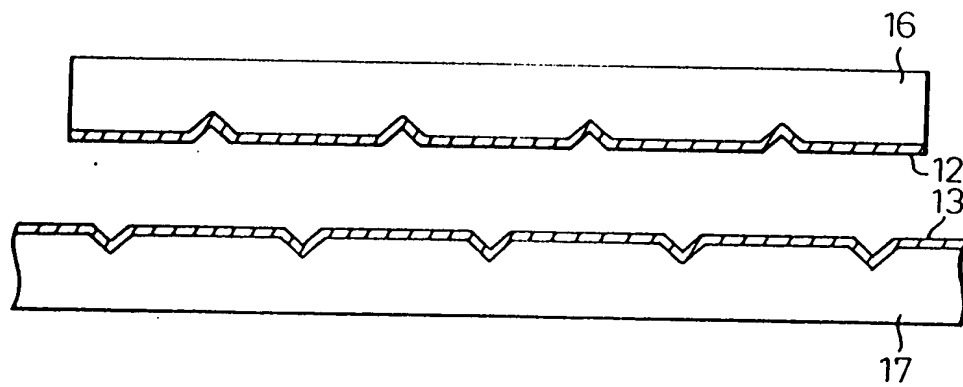


Fig.99B





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Fig.100A

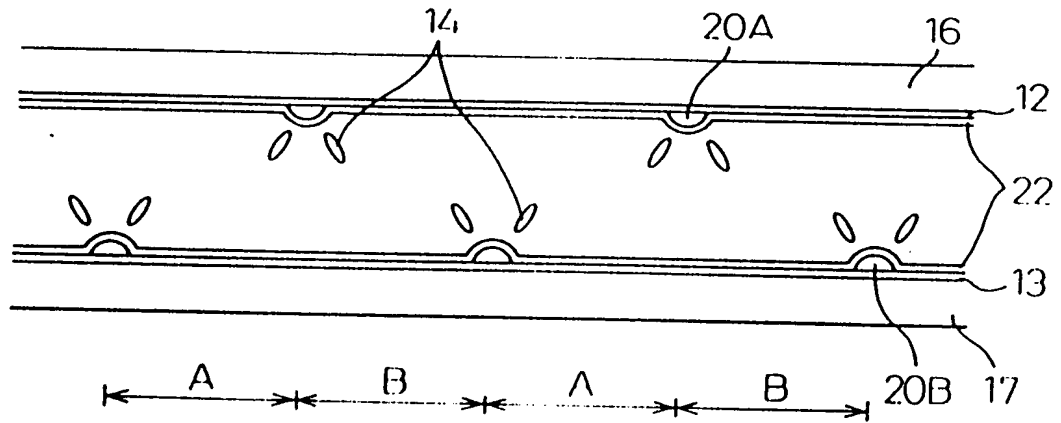
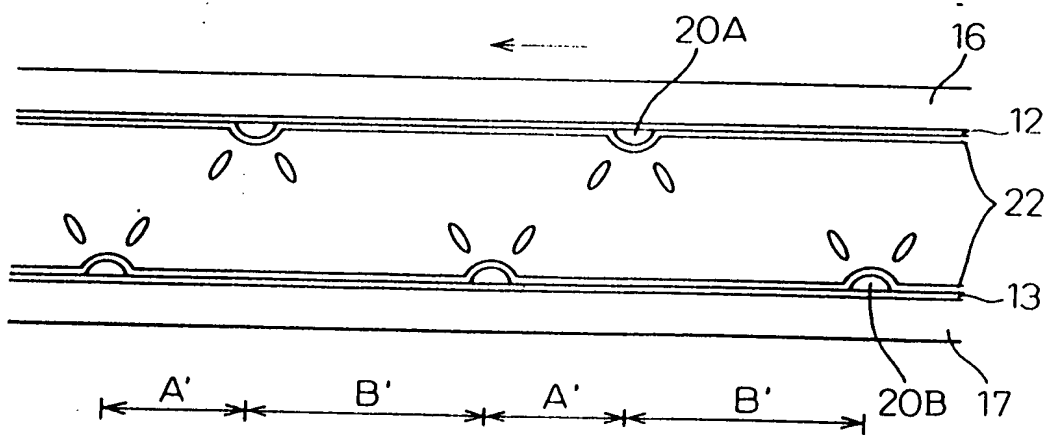


Fig.100B



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Fig. 101A

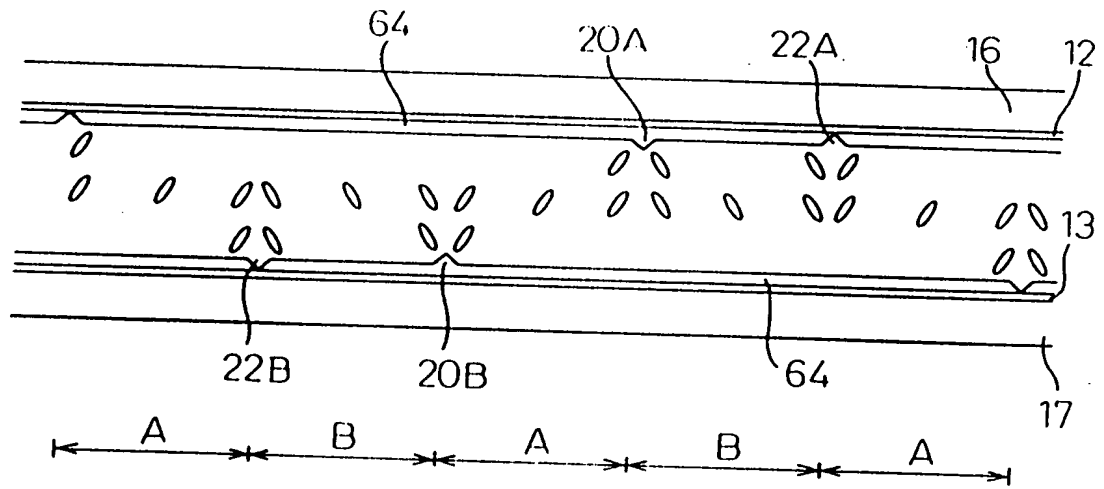
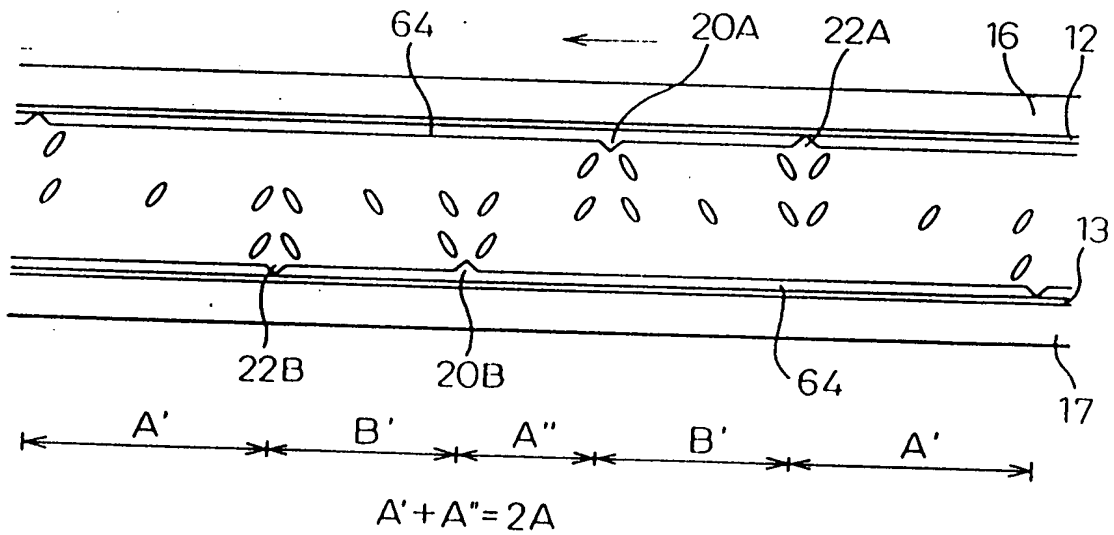
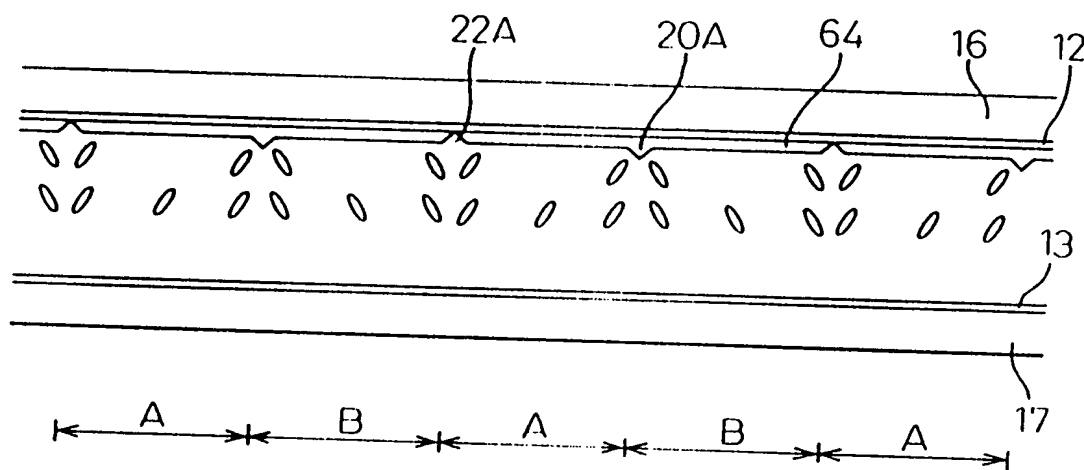


Fig. 101B



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Fig.102



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Fig. 103A

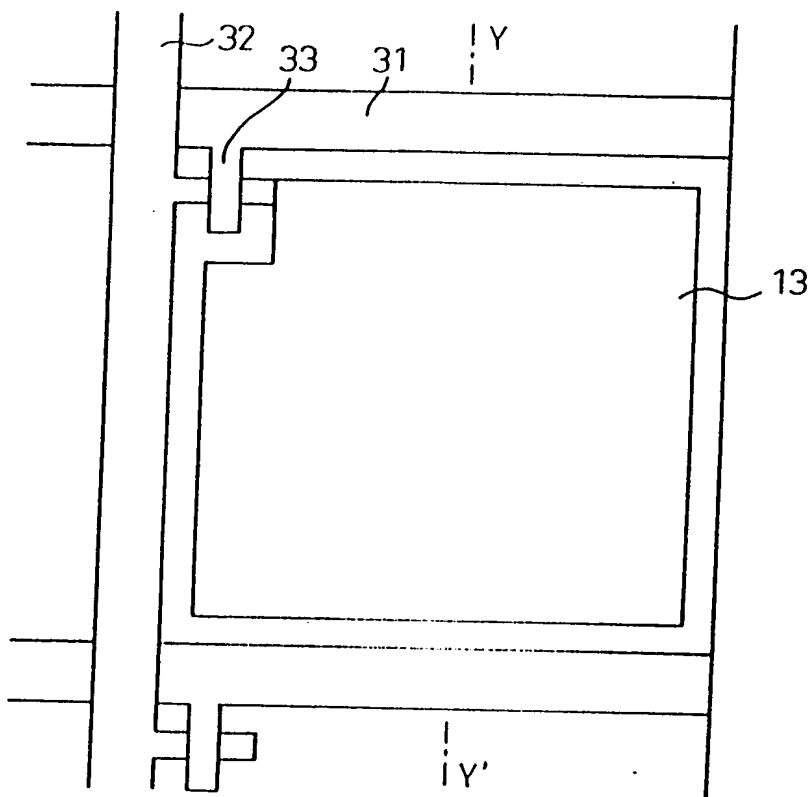
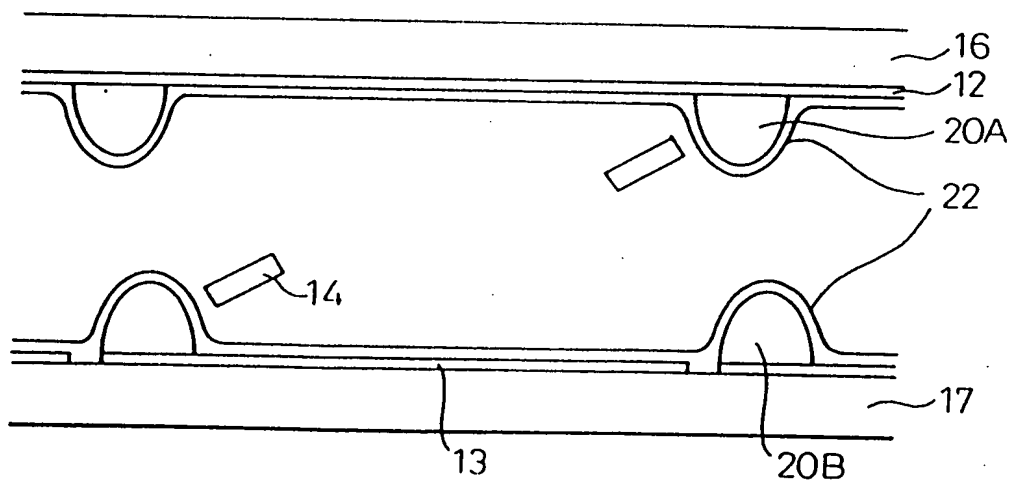
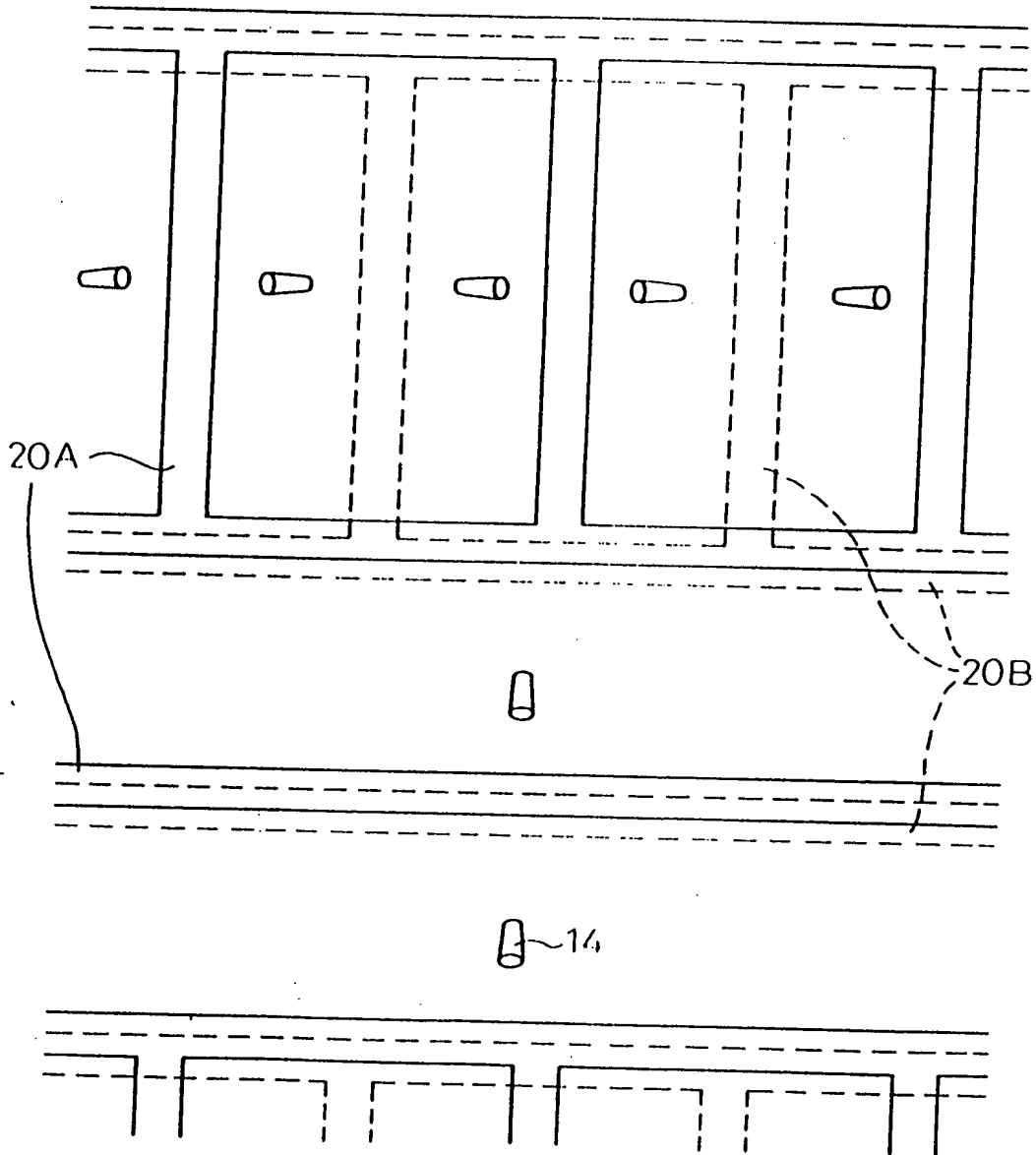


Fig. 103B



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Fig. 104



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Fig. 105A

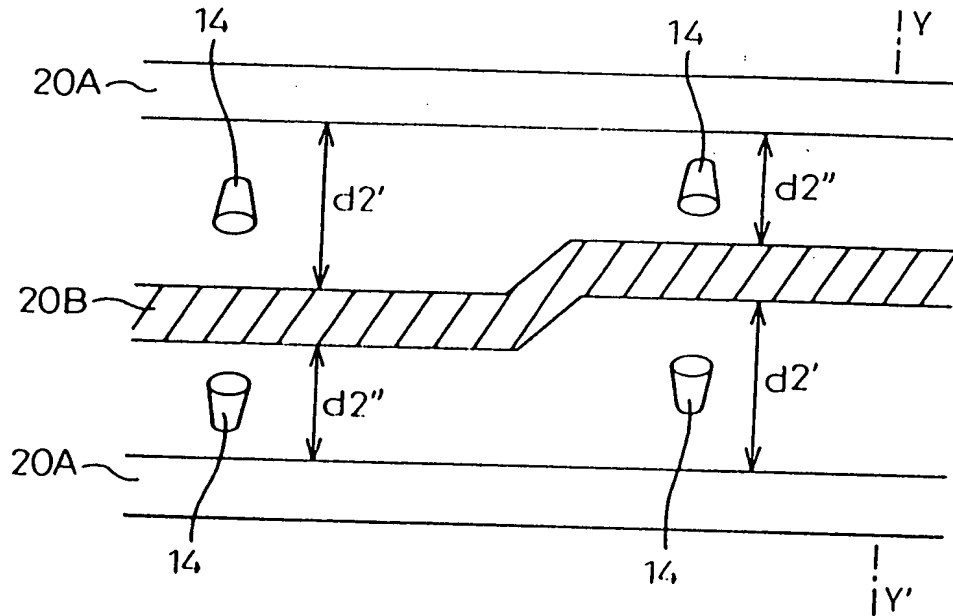
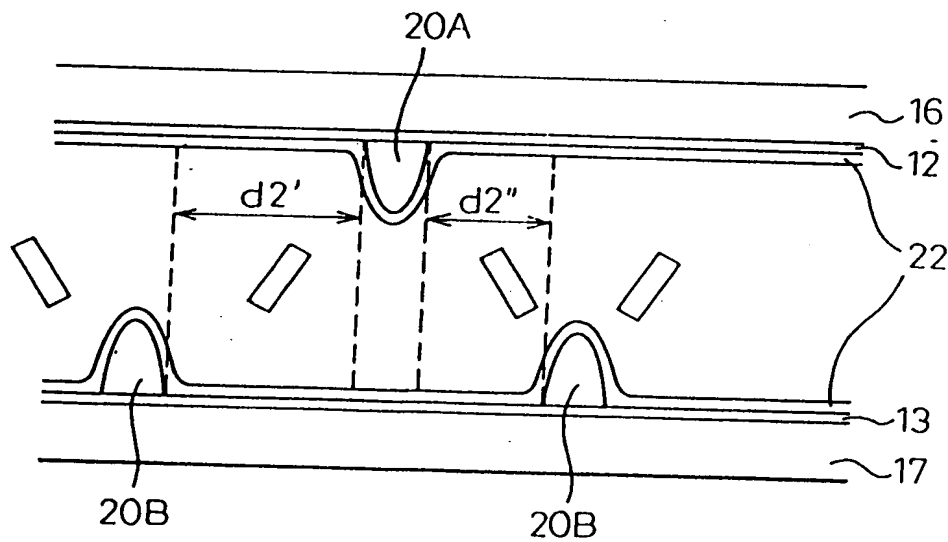


Fig. 105B



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Fig. 106

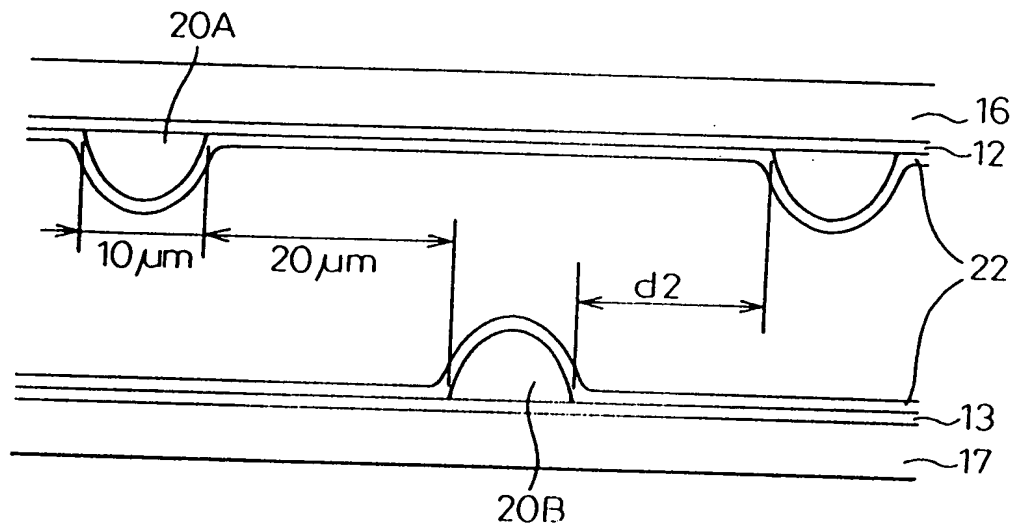
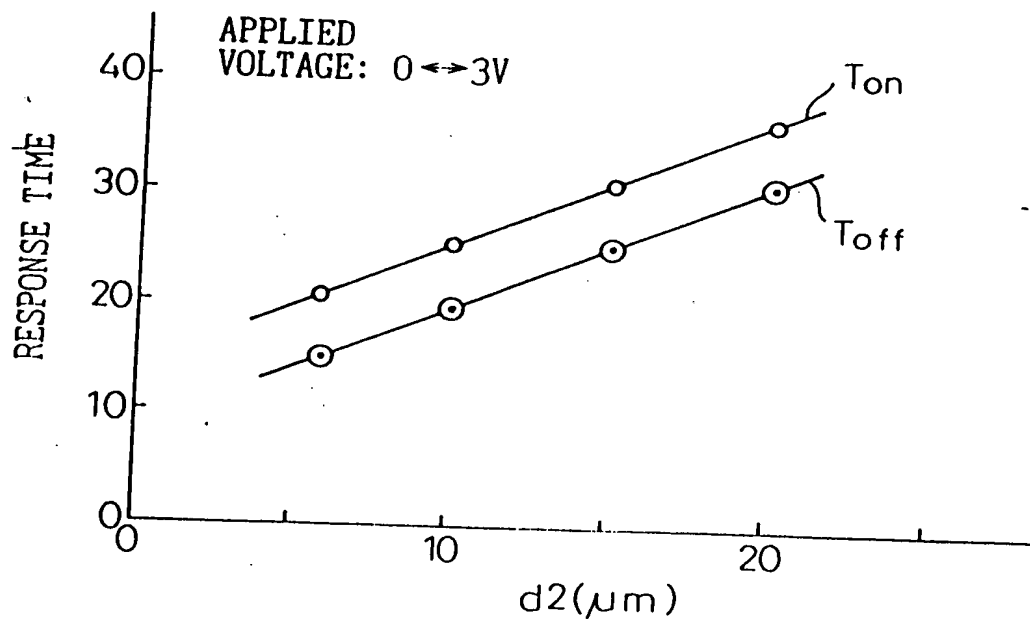


Fig. 107



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Fig. 108A

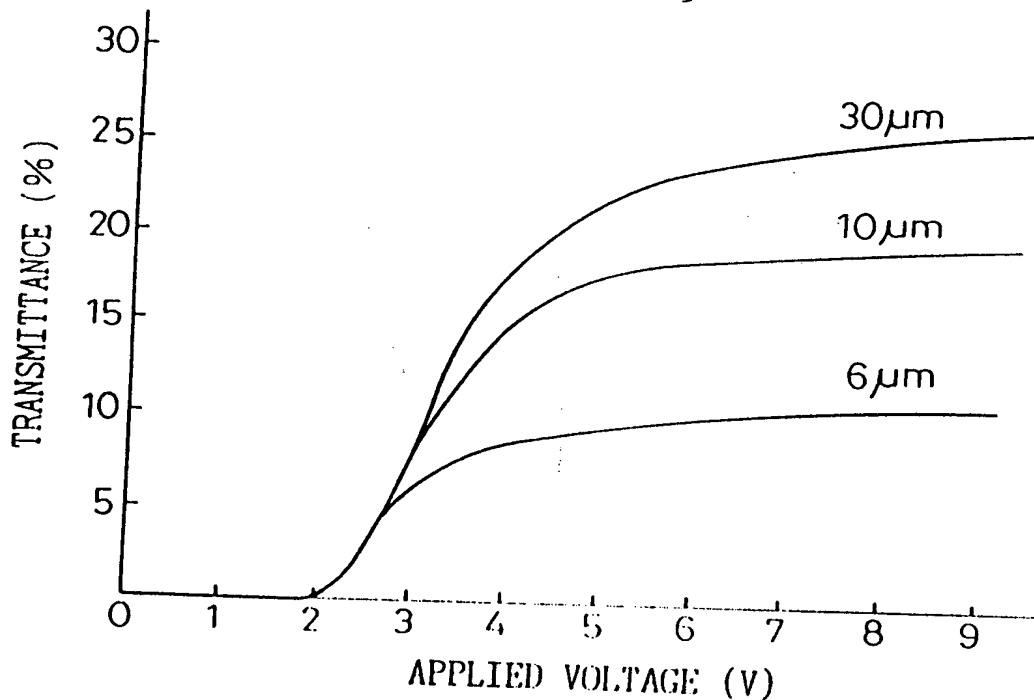
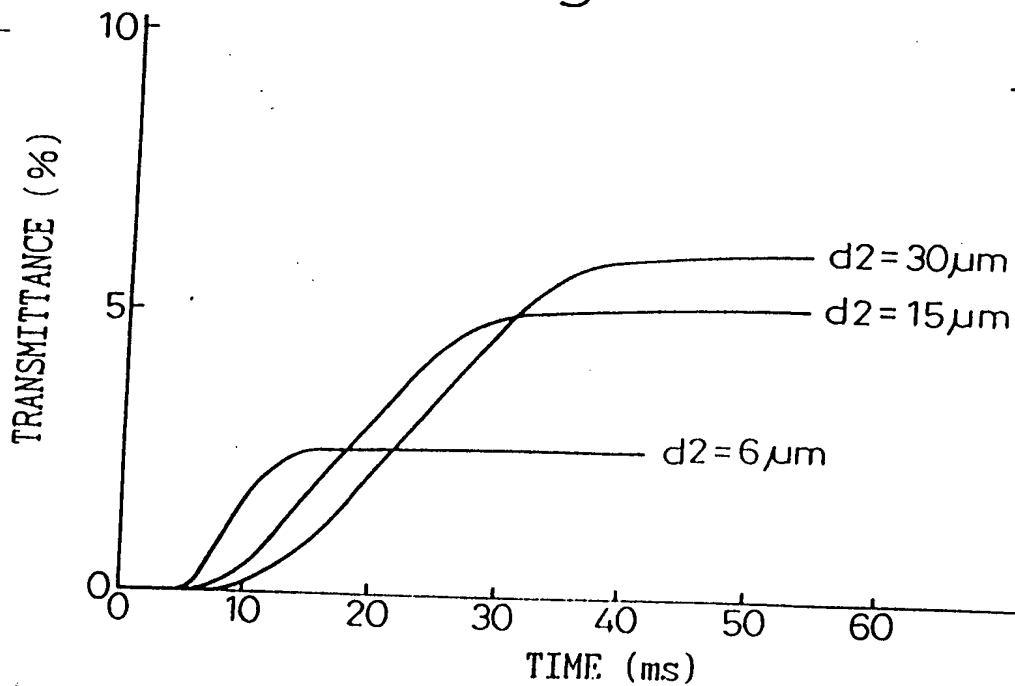


Fig. 108B





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Fig.109A

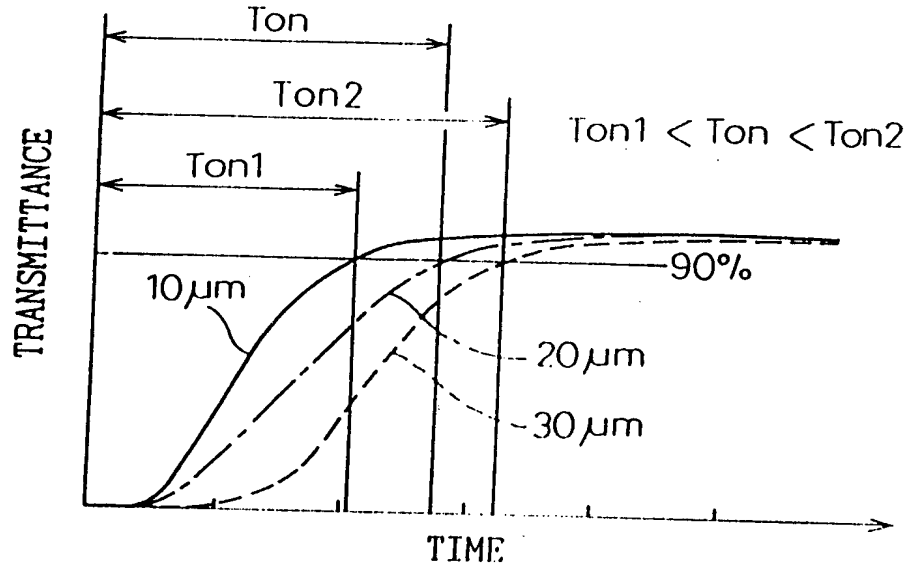
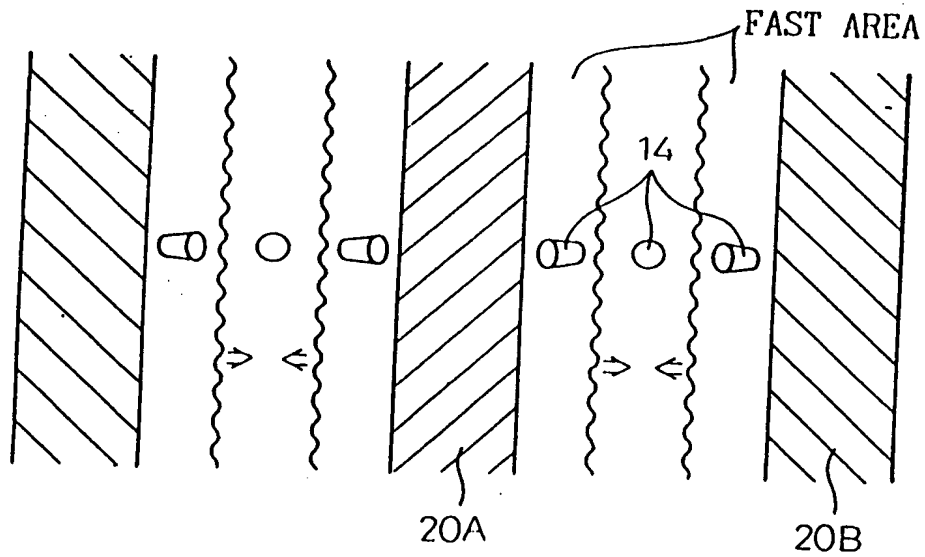
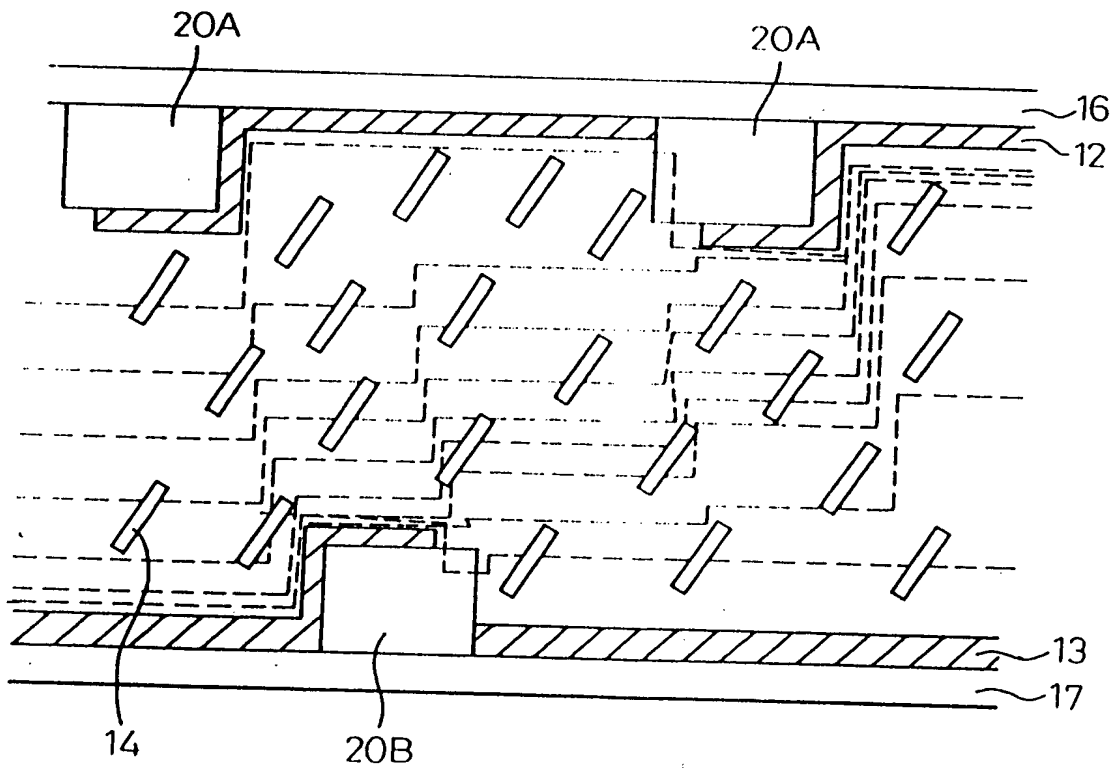


Fig.109B



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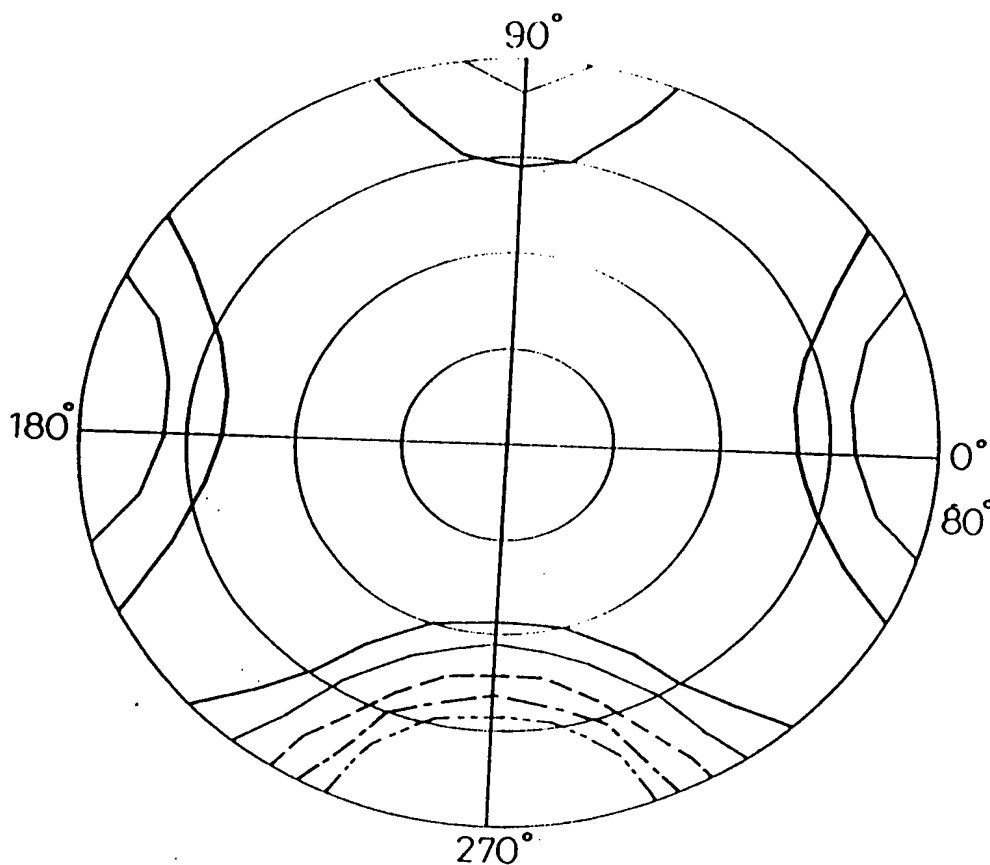
Fig. 110



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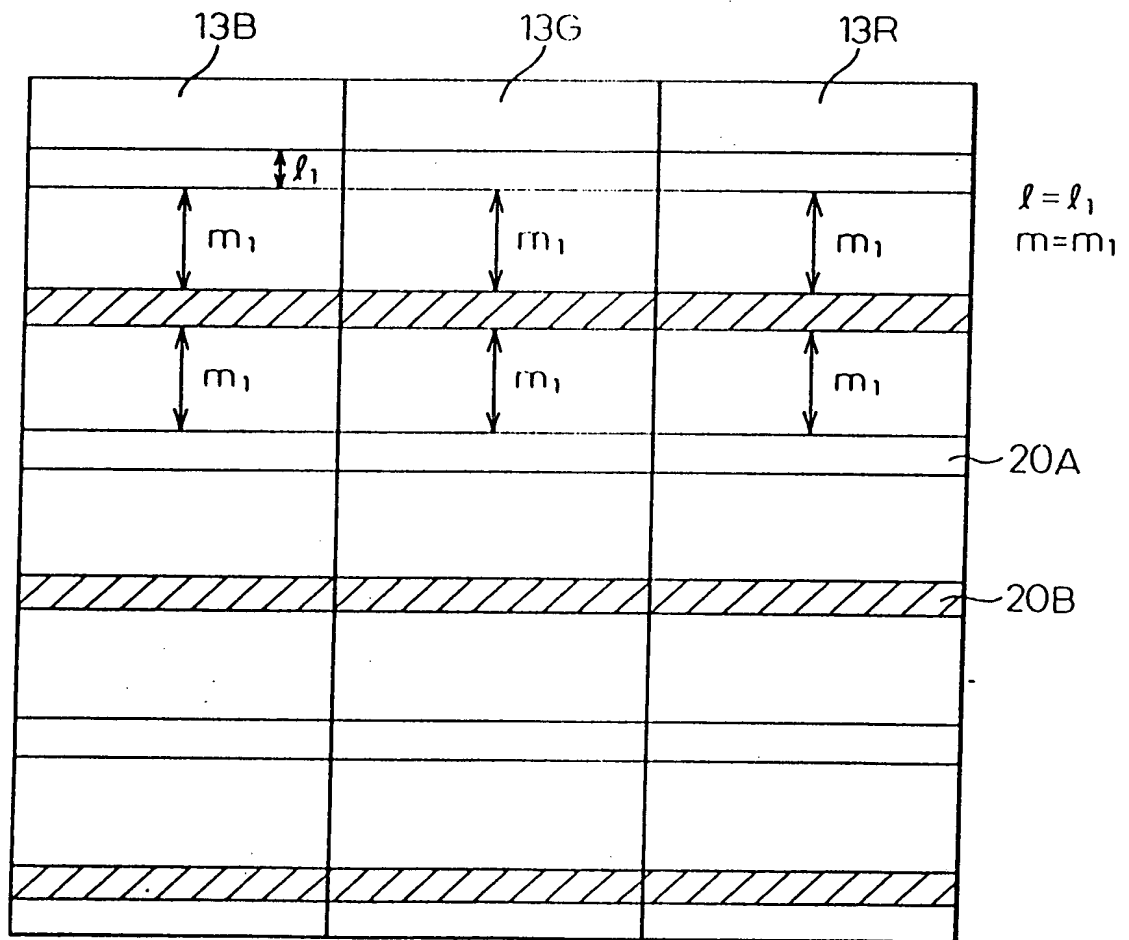
Fig. 111

CONTRAST RATIO	
—————	100.000
-----	50.000
- - - - -	20.000
- . - . -	10.000
- . . . -	5.000



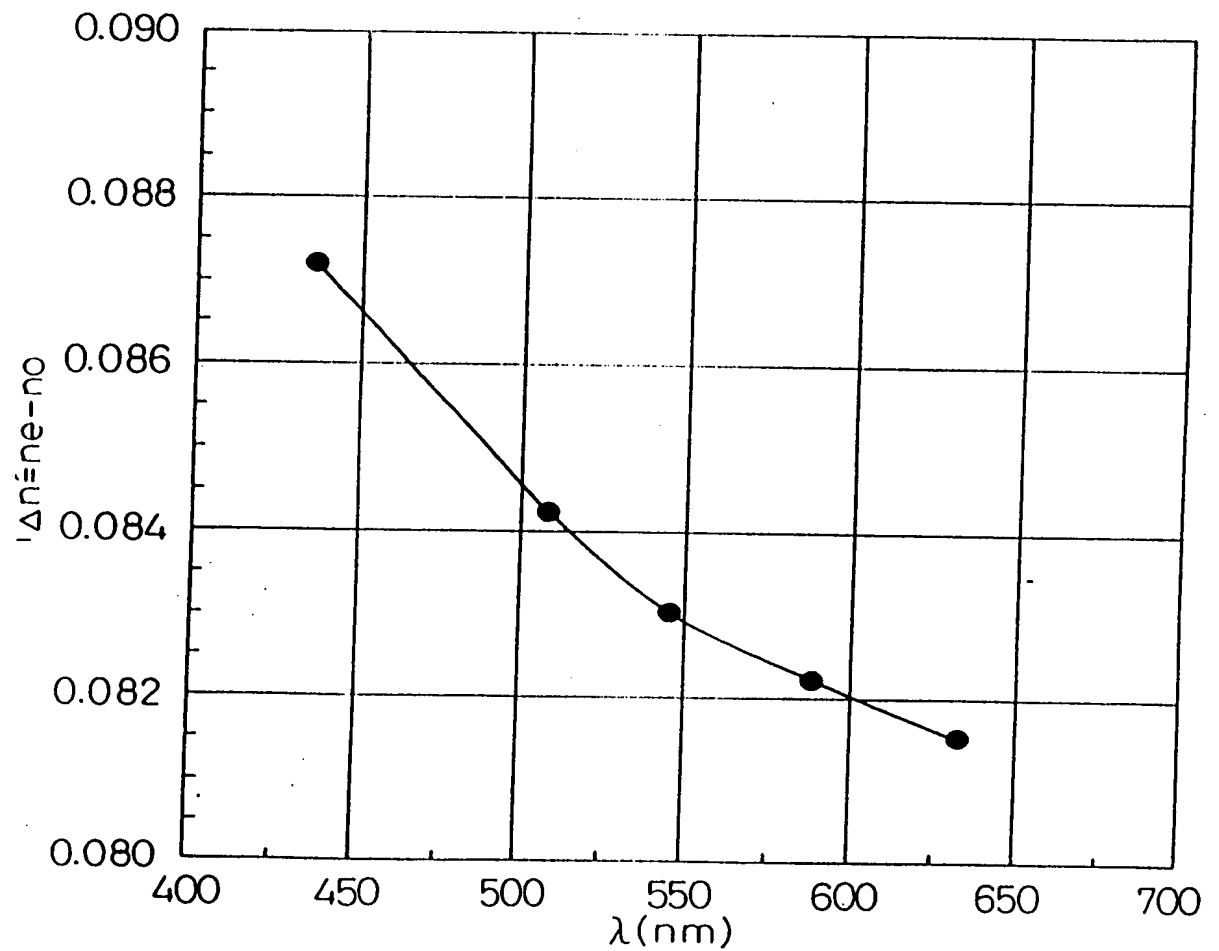
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Fig. 112



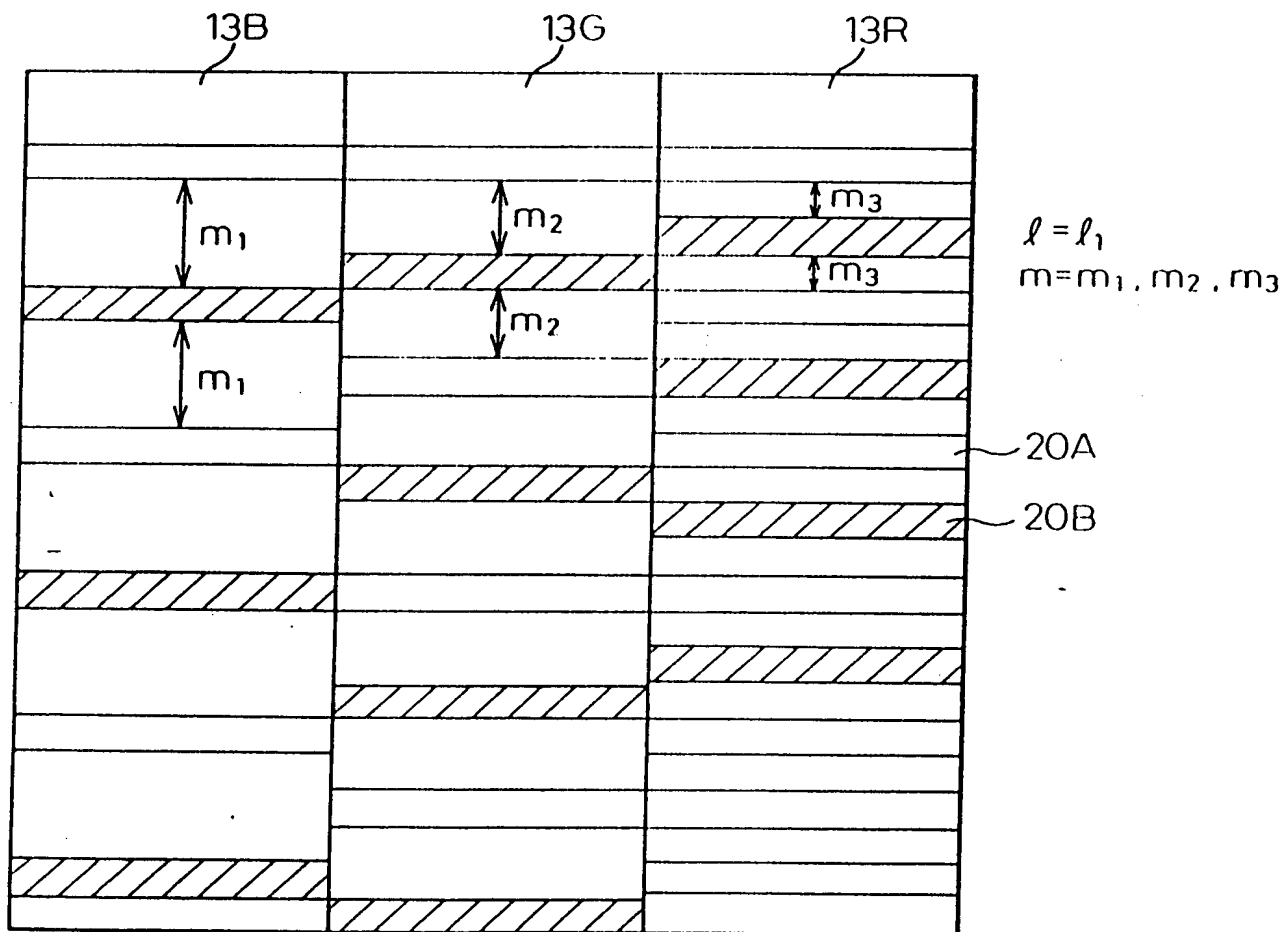
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Fig. 113



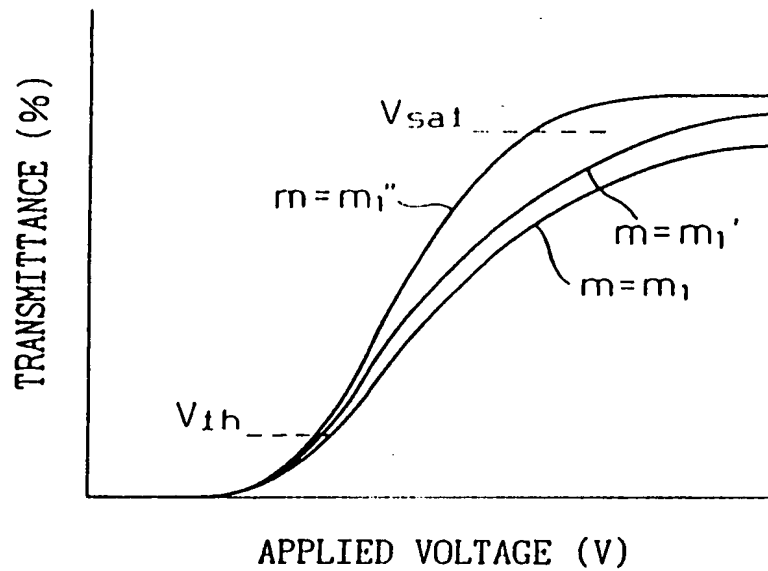
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Fig. 114



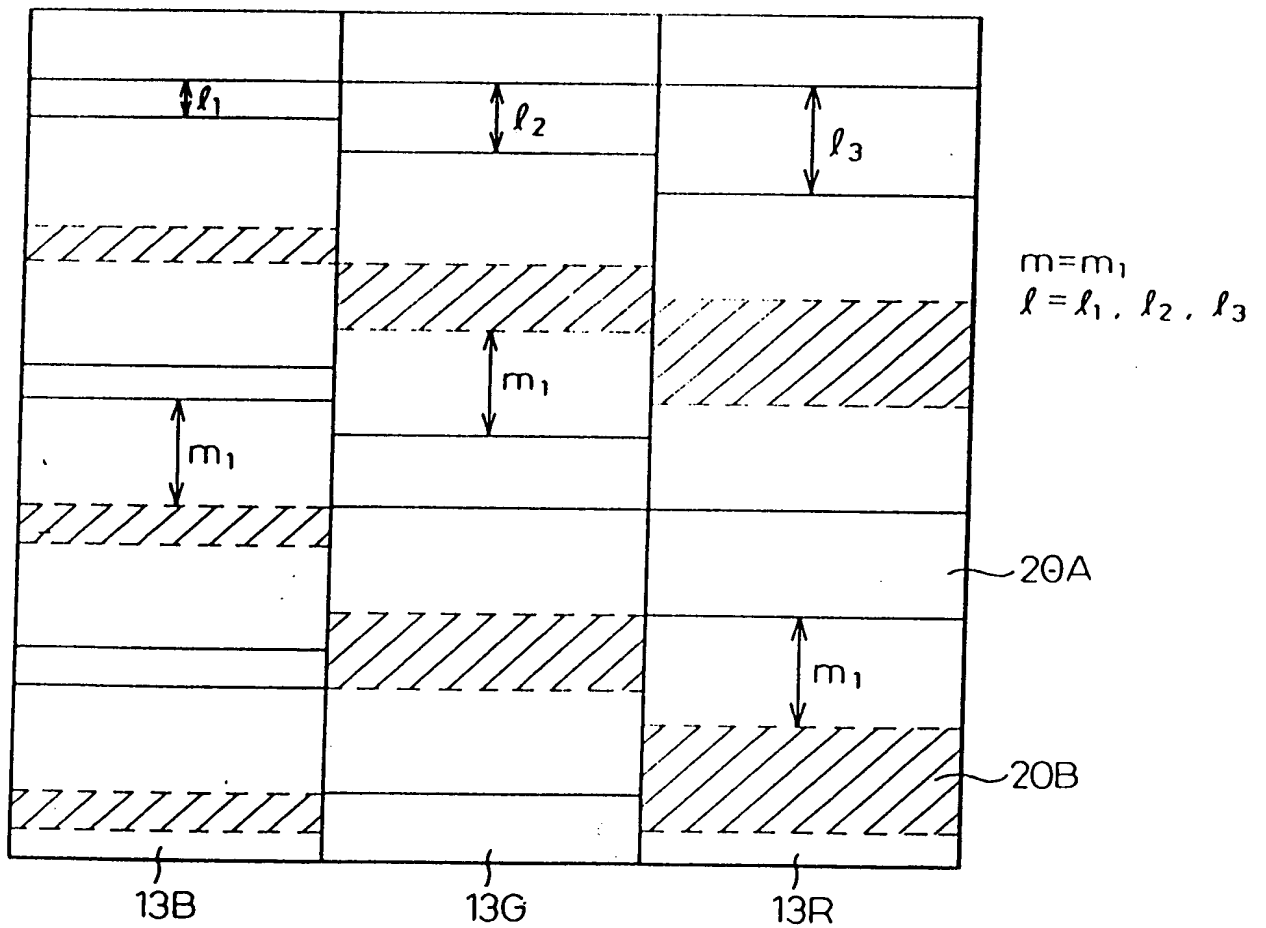
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Fig. 115



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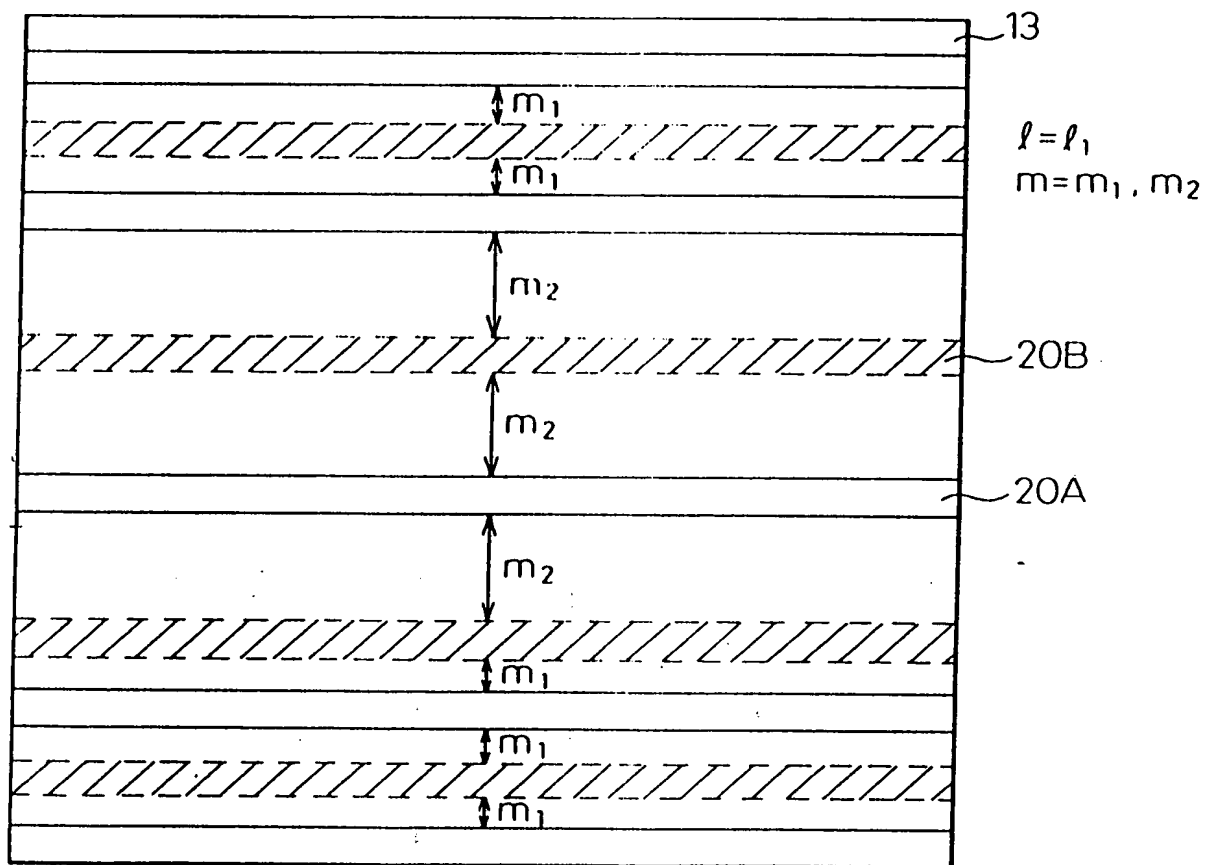
Fig. 116





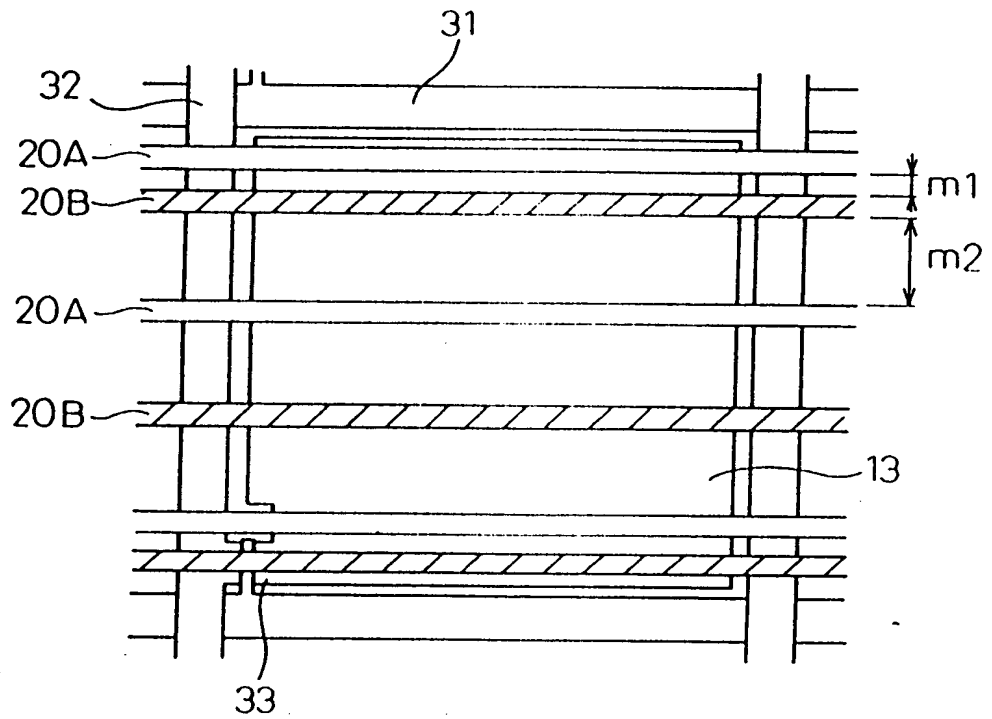
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Fig. 117



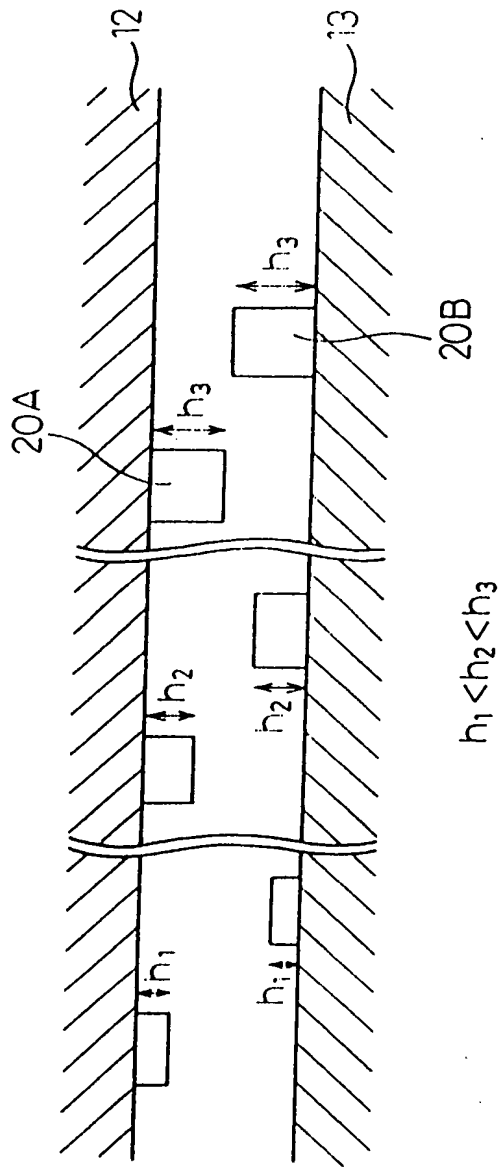
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Fig. 118



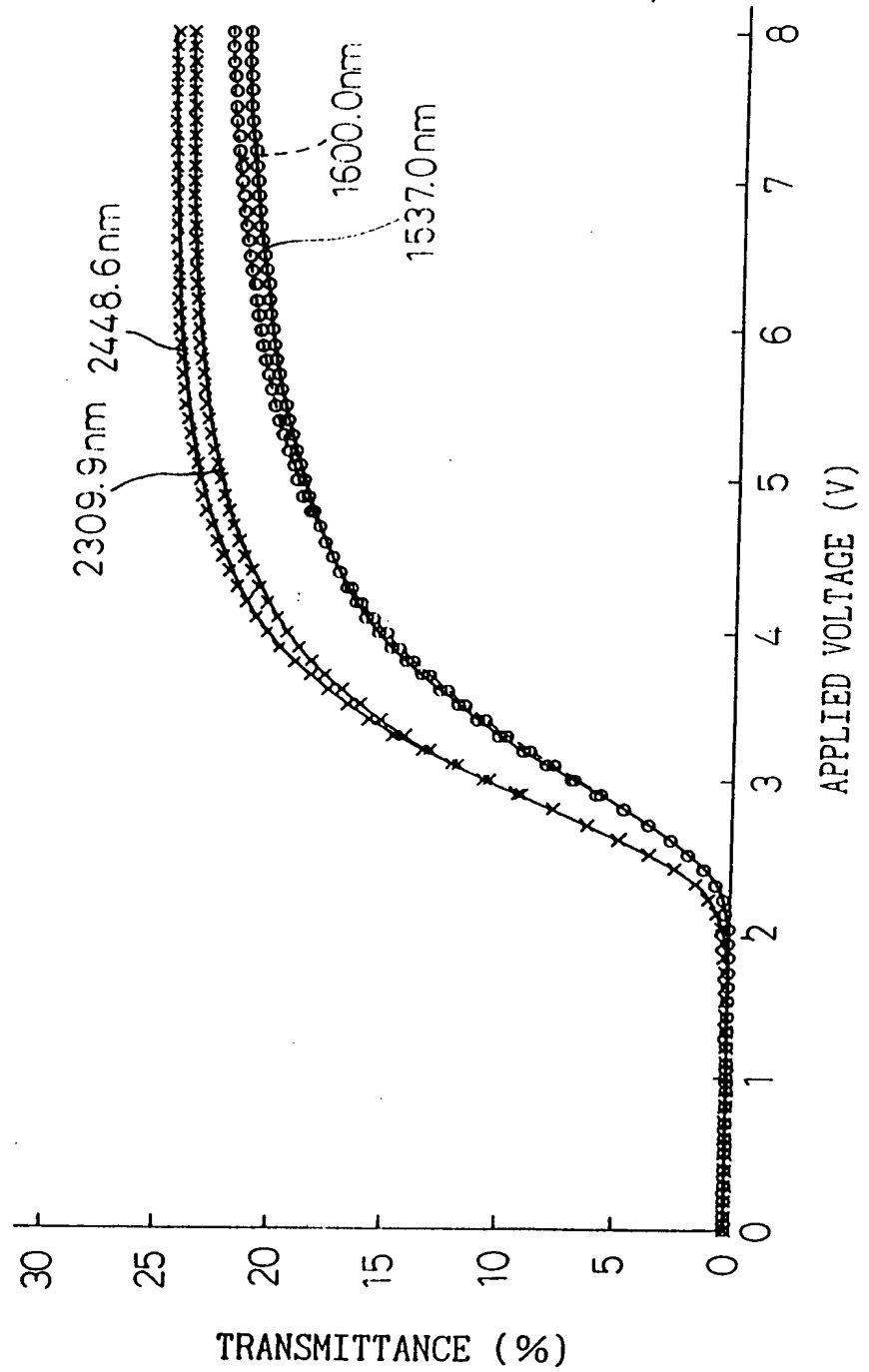
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Fig. 119



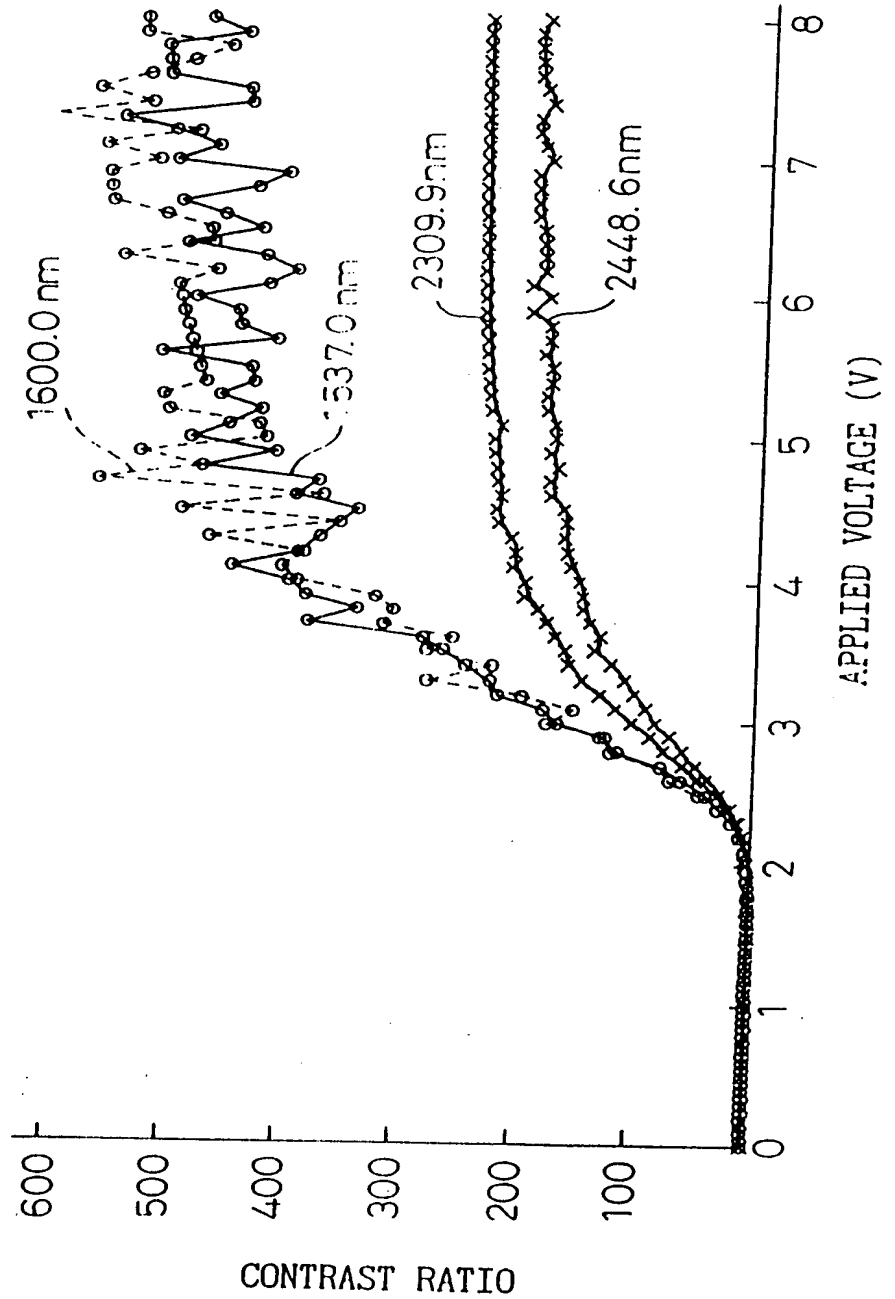
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Fig. 120



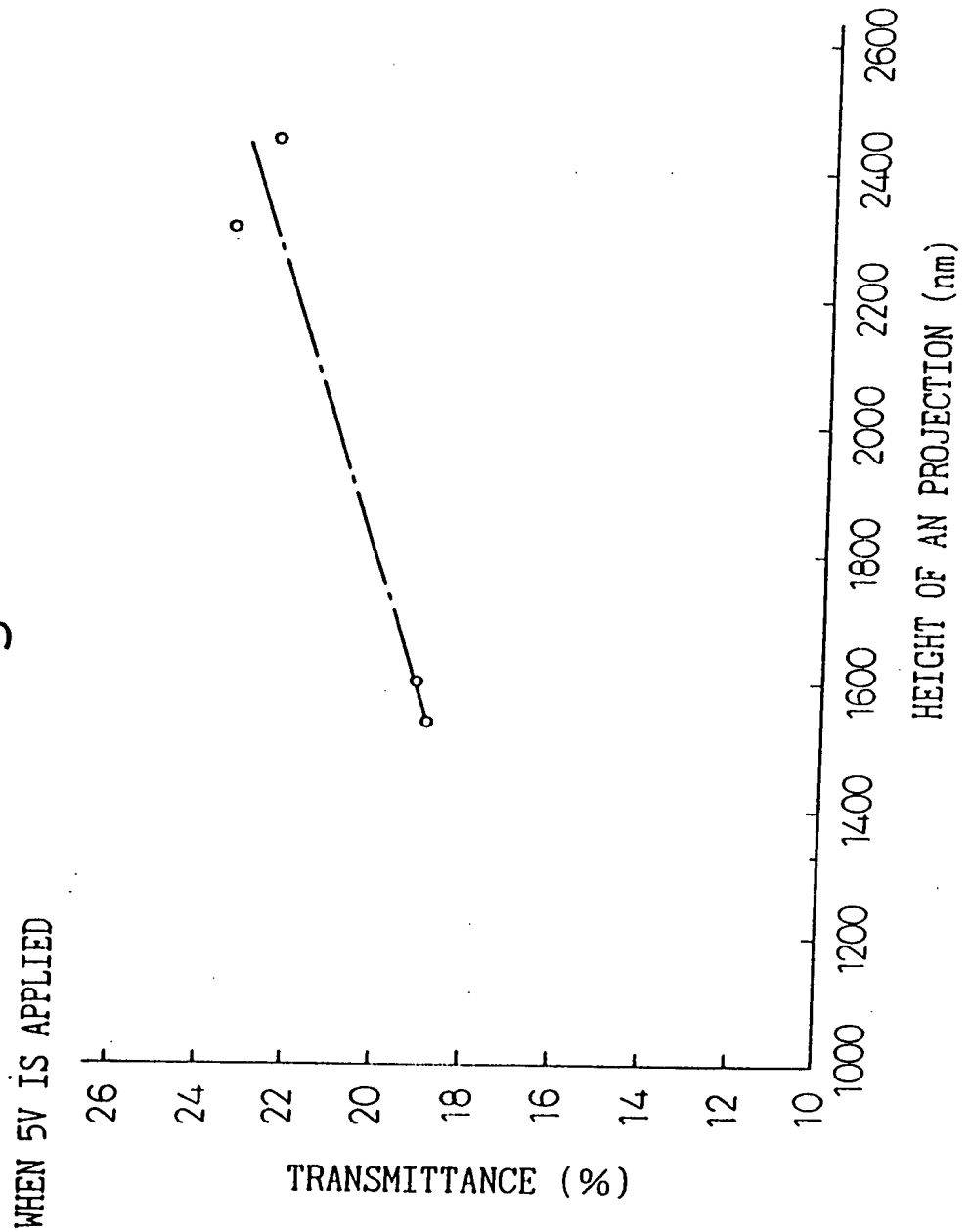
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Fig. 121



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Fig. 122



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Fig. 123

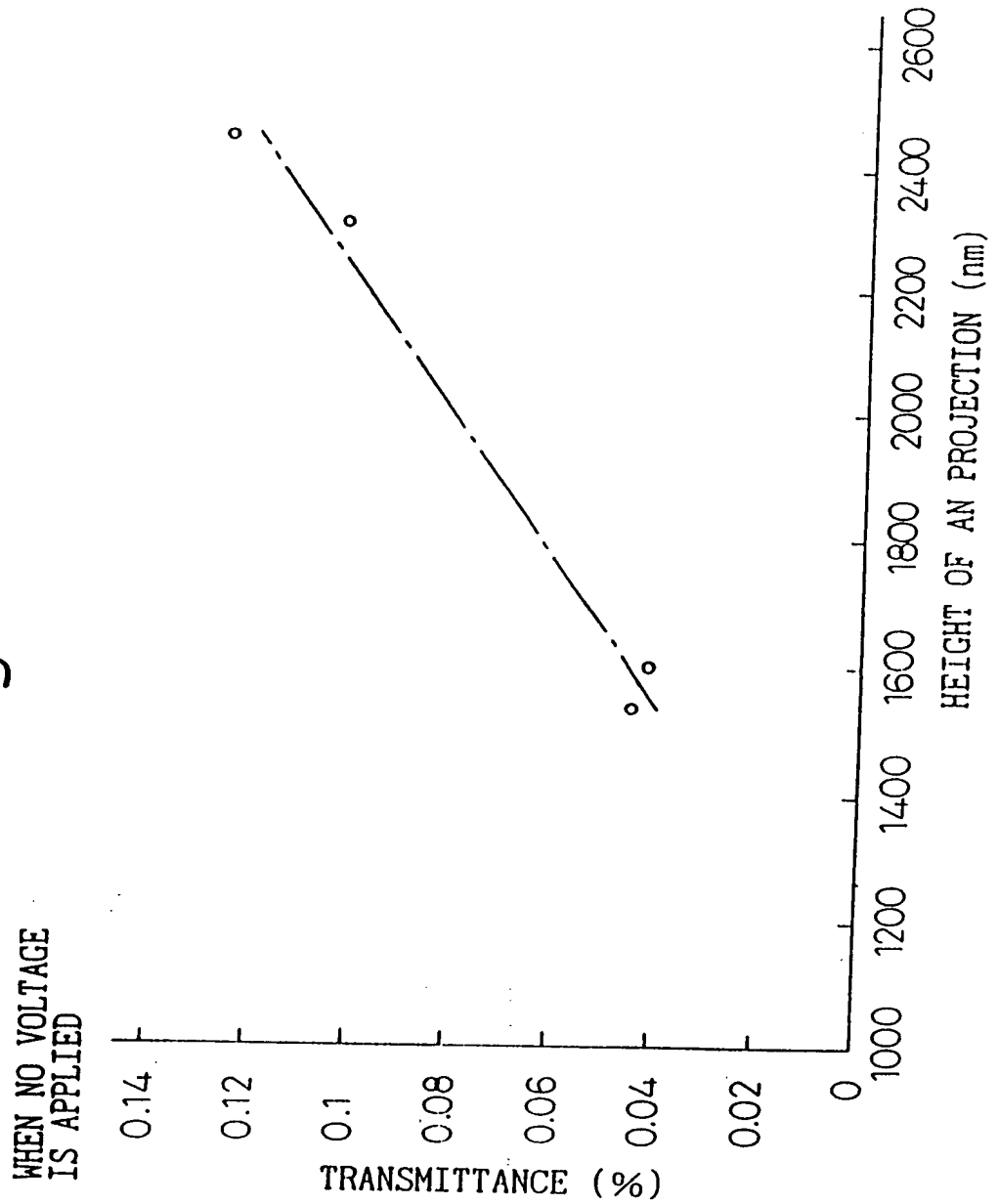


Figure 1 is a schematic diagram of a multi-layered structure 10. The structure is bounded by two rigid walls, 12 on the left and 13 on the right. The total thickness of the structure is denoted by  $d$ . The structure is composed of several layers and interfaces, labeled 11, 11', 11'', and 11'''. The diagram illustrates the thicknesses of these layers and interfaces, with labels  $h_i$ ,  $h_i'$ ,  $h_i''$ , and  $h_i'''$  indicating specific thicknesses. A label "20A 20B" points to a specific interface region within the structure.



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Fig. 125A

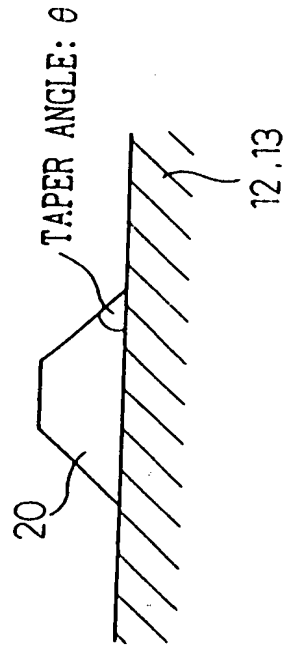
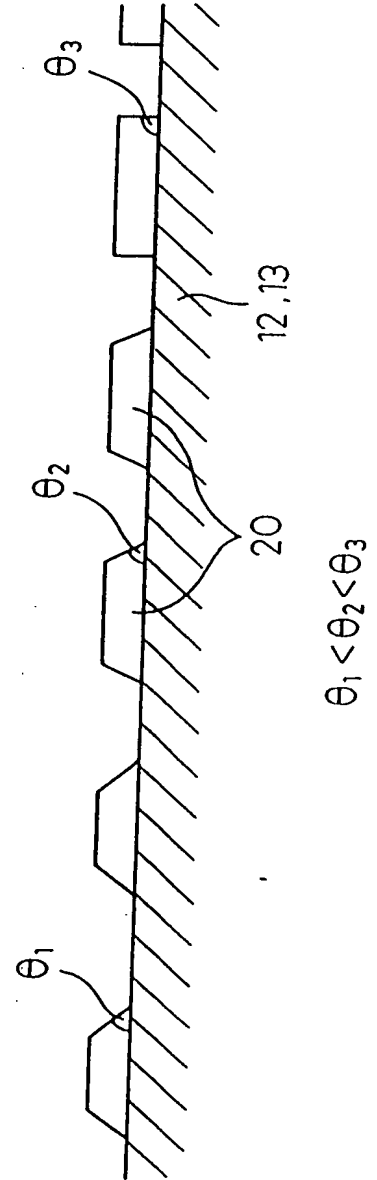


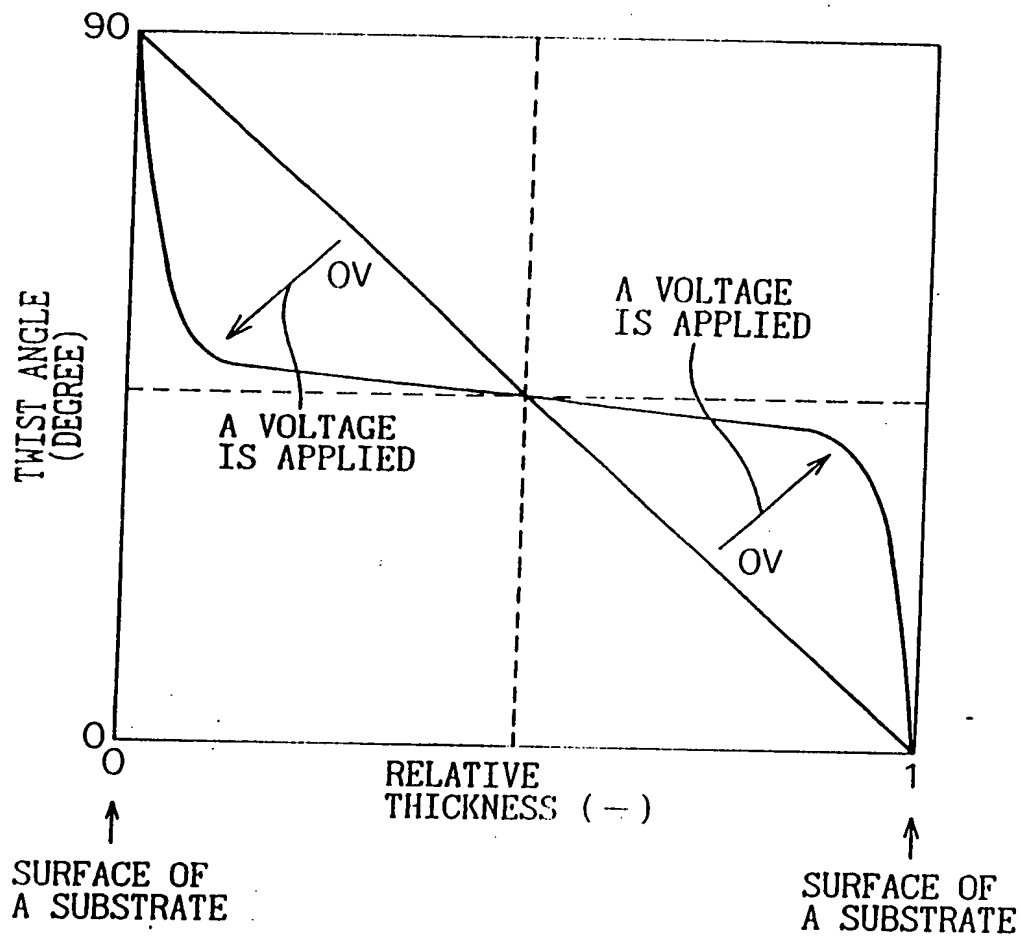
Fig. 125B





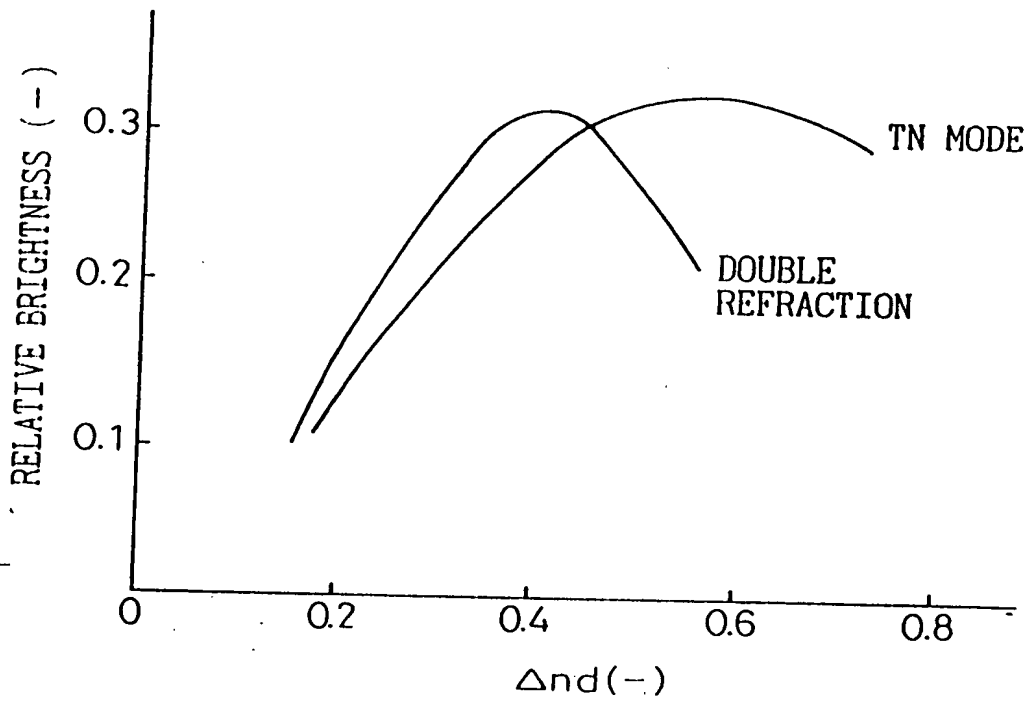
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Fig. 126



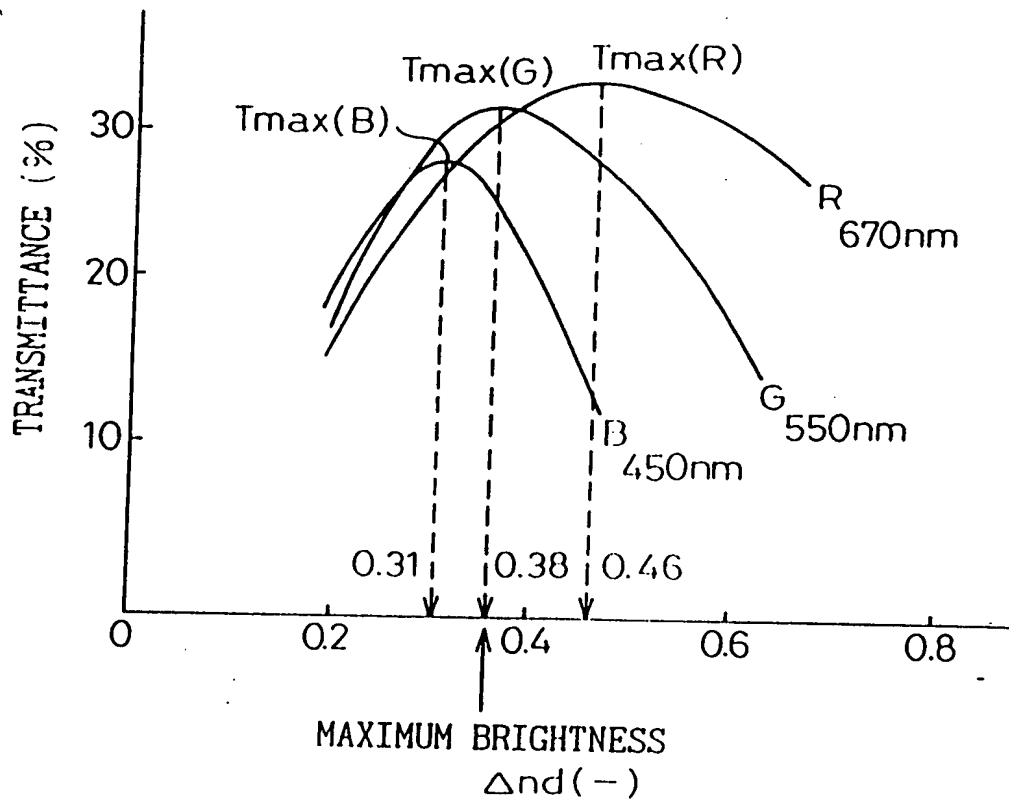
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Fig. 127



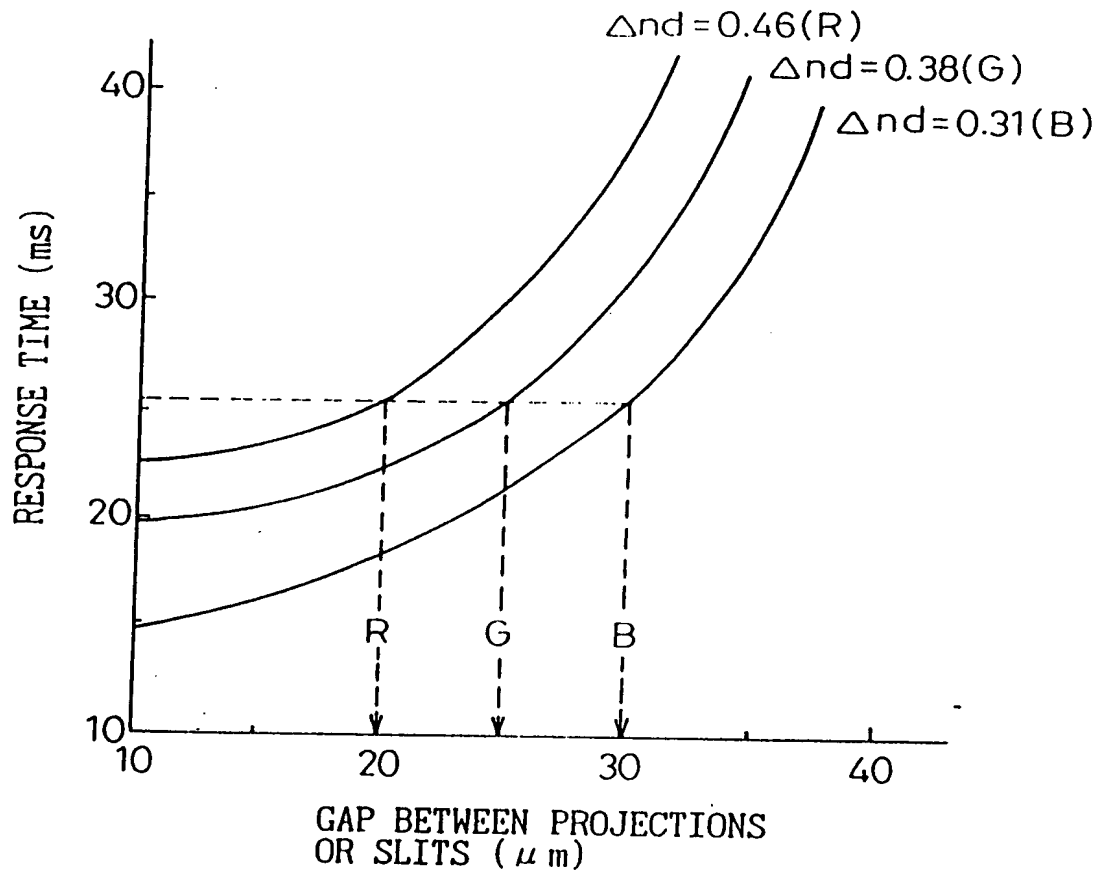
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Fig. 128



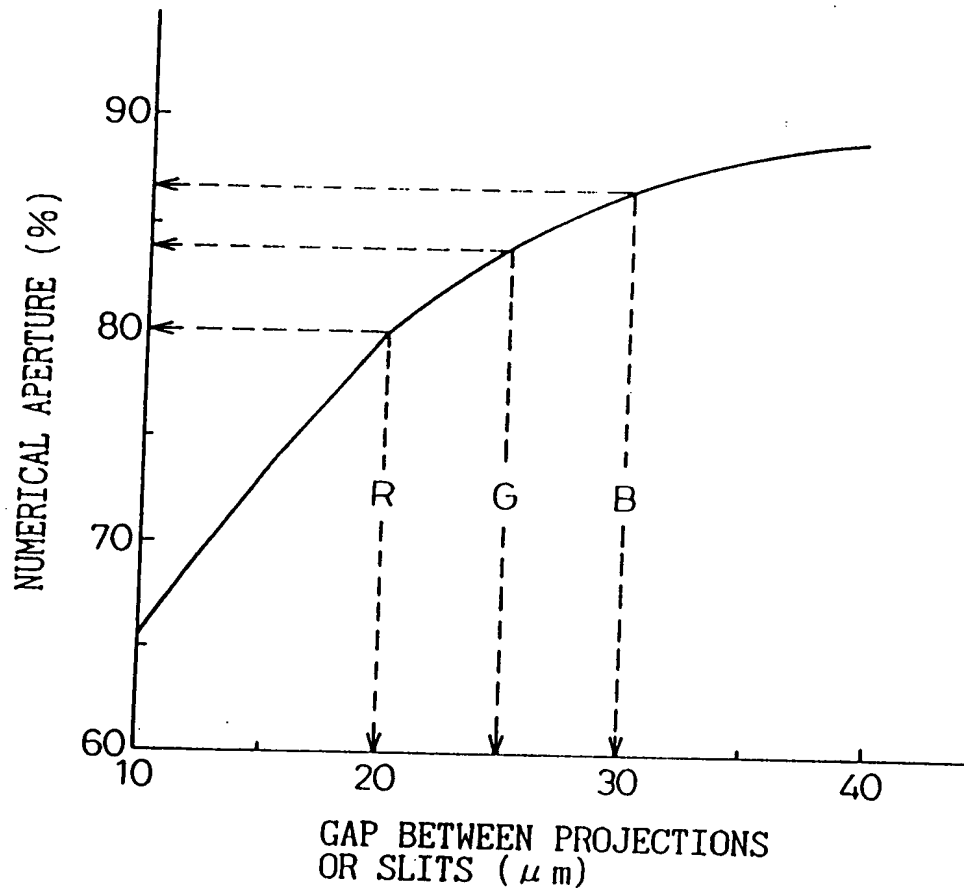
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Fig. 129



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Fig. 130



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Fig. 131

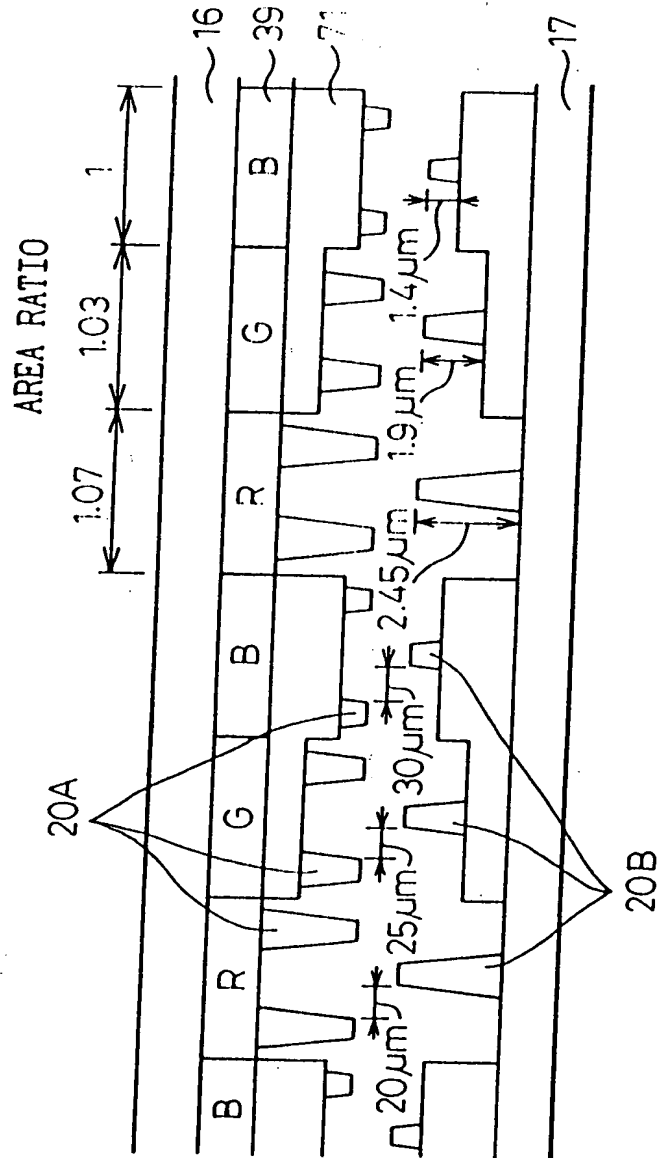


Fig. 132





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Fig. 133

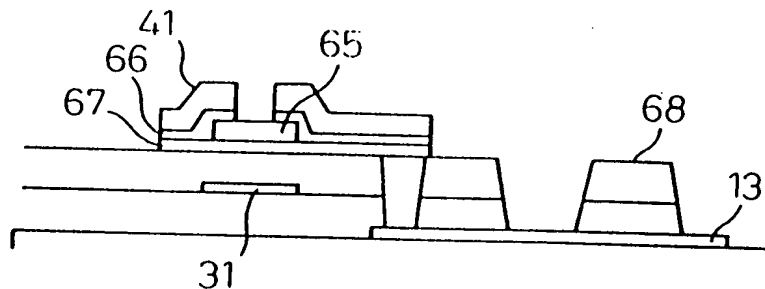


Fig. 134A

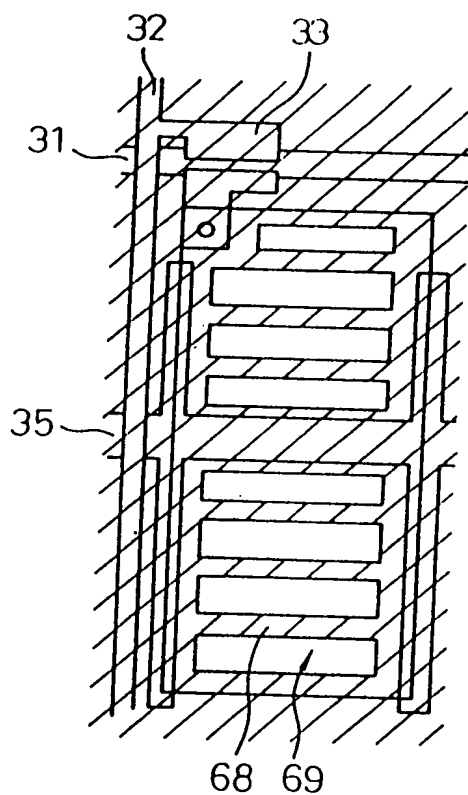


Fig. 134B

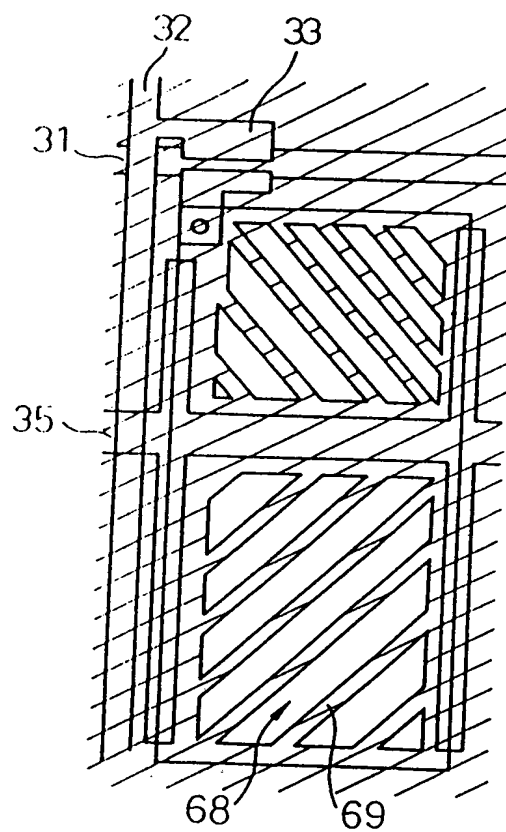
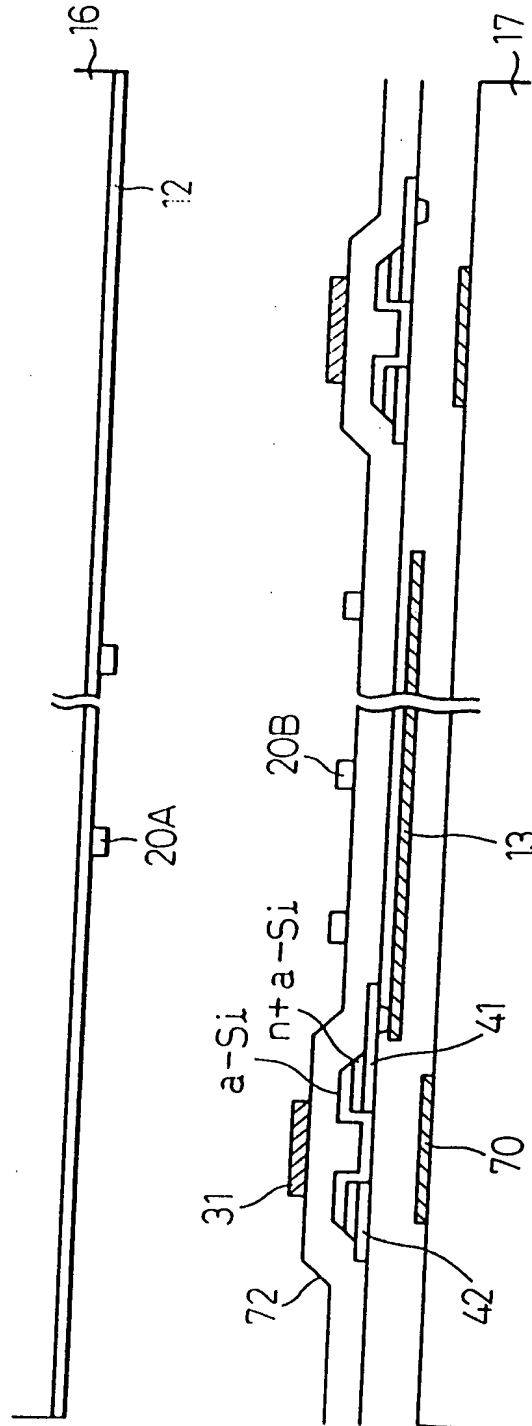


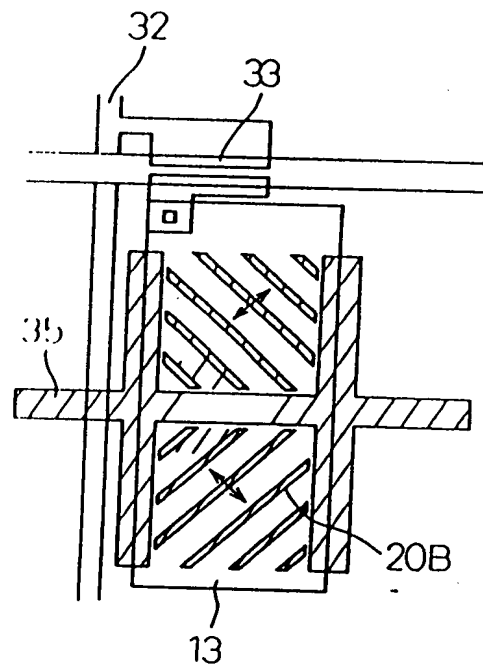
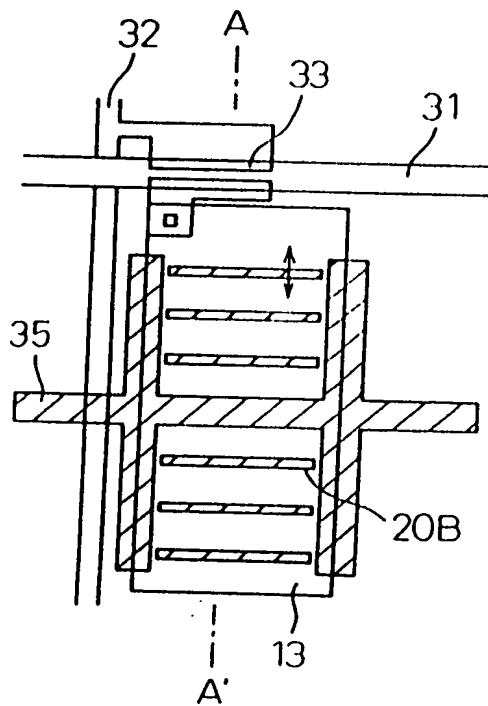
Fig. 135



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Fig. 136A

Fig. 136B



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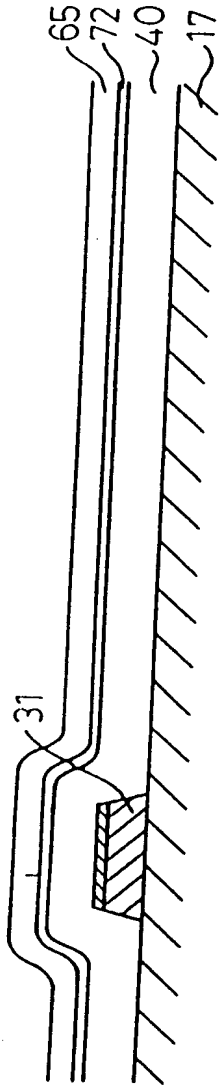


Fig. 137A

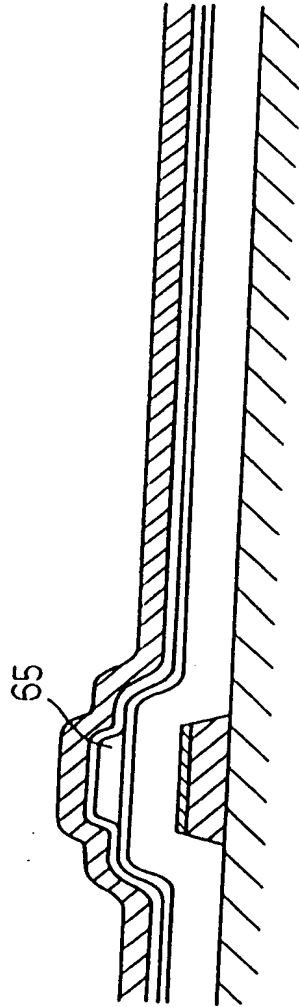


Fig. 137B

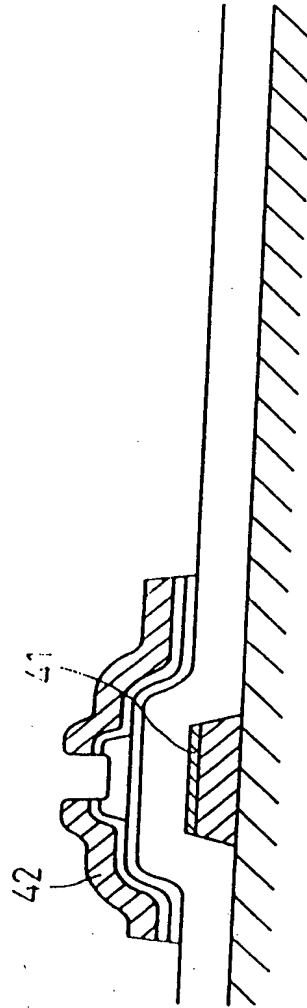


Fig. 137C

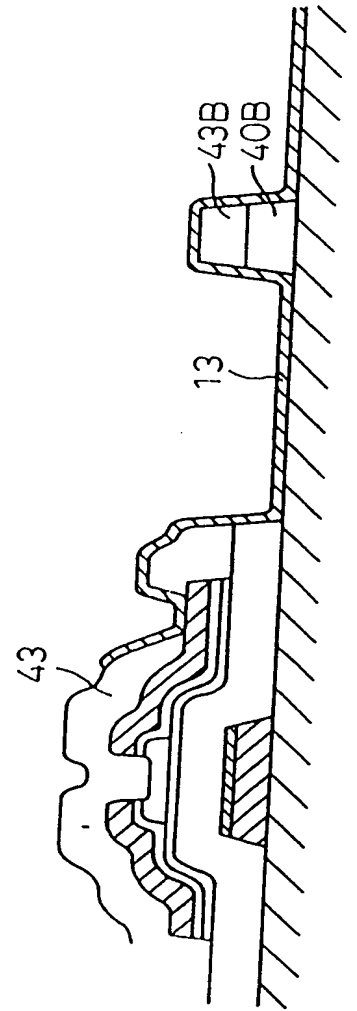
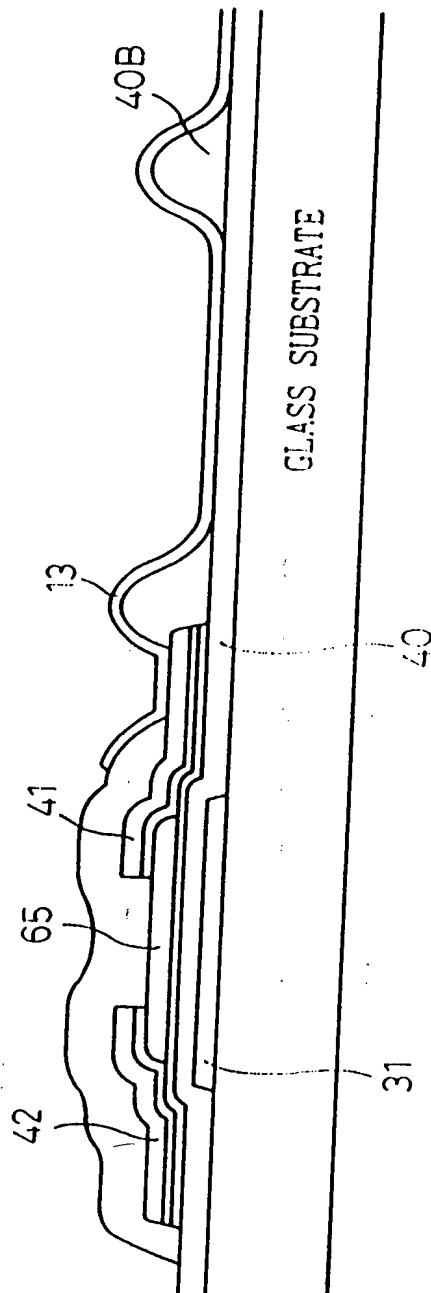


Fig. 137D



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Fig. 138



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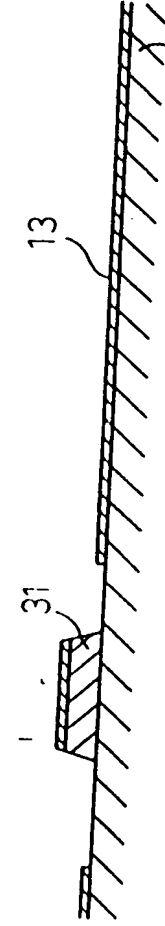


Fig. 139A

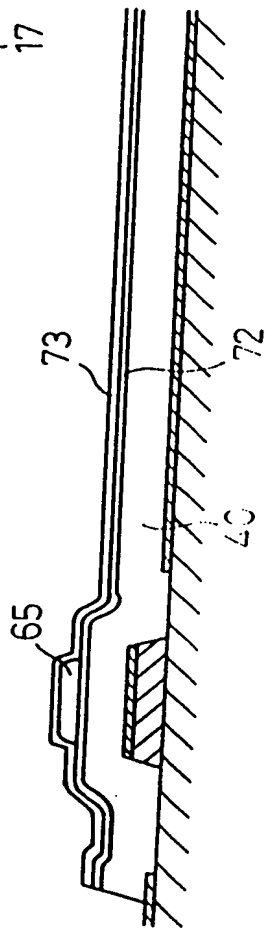


Fig. 139B

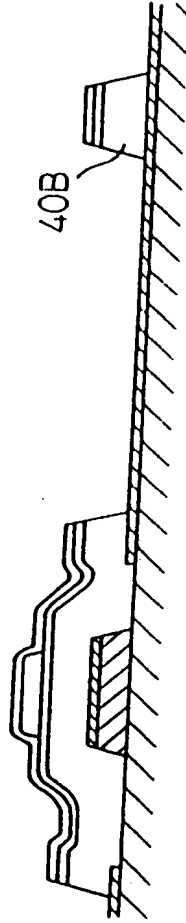


Fig. 139C

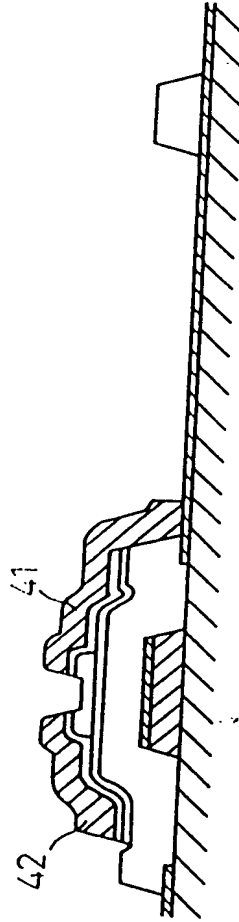


Fig. 139D

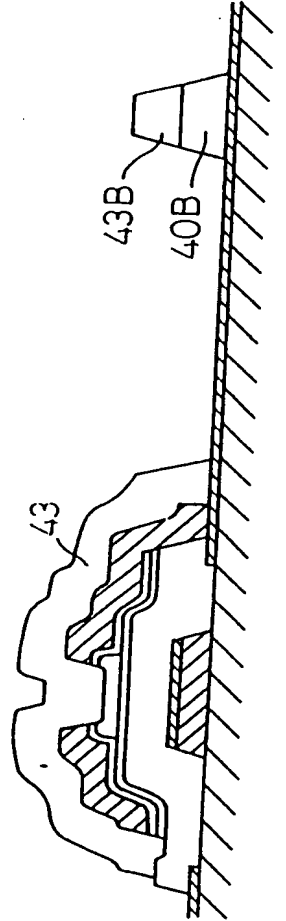


Fig. 139E

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Fig. 140A

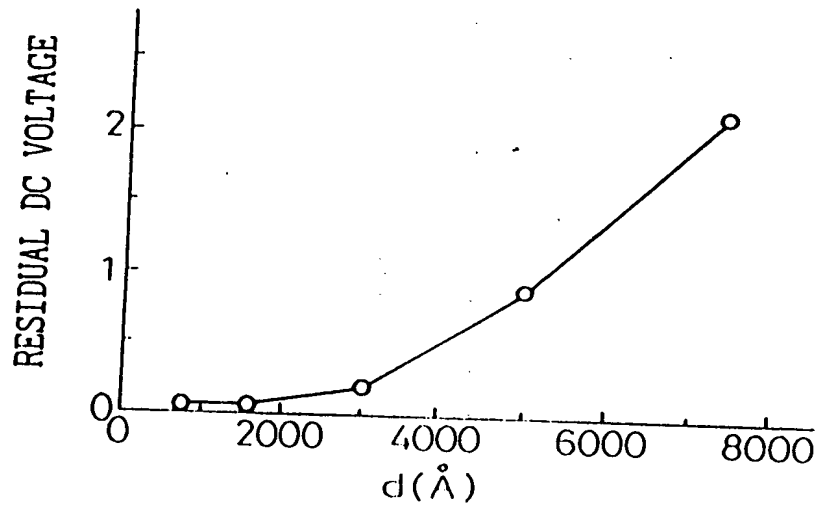
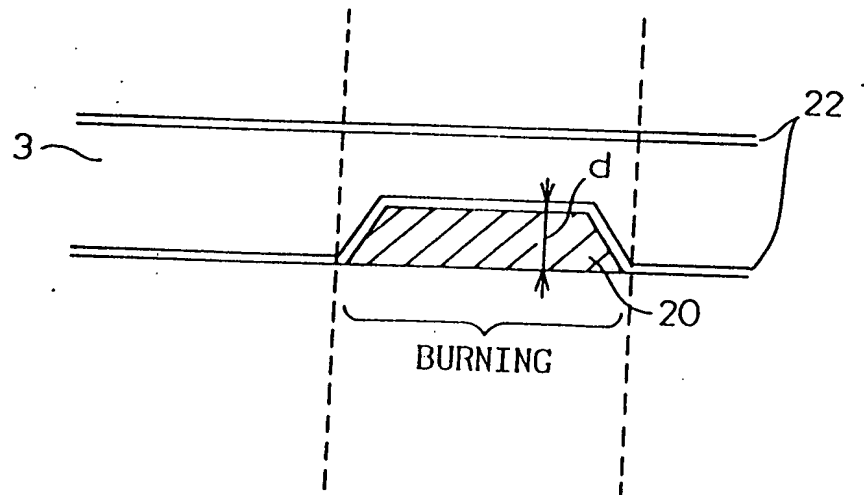


Fig. 140B



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Fig. 141A

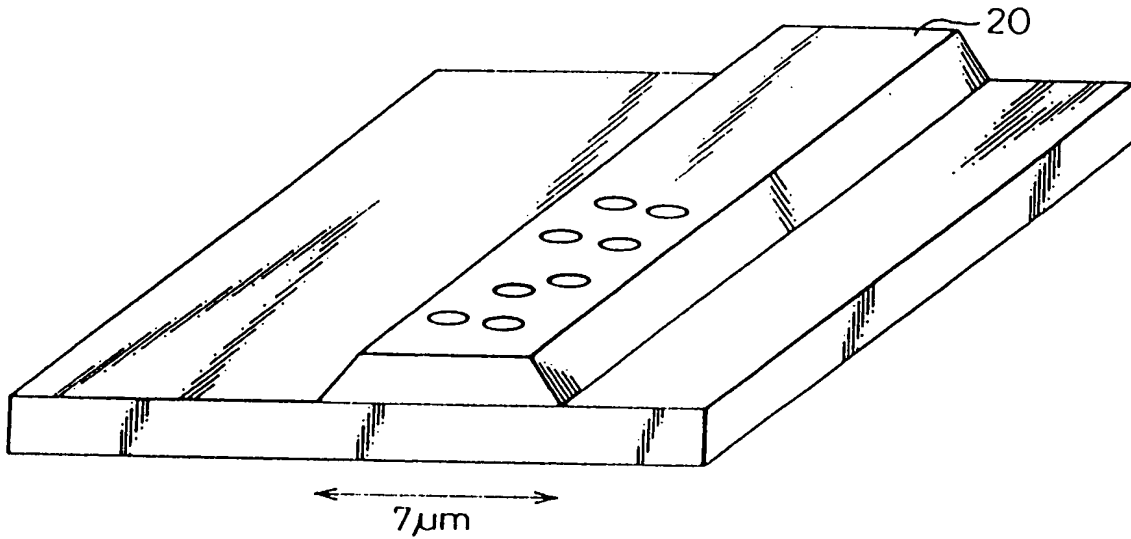
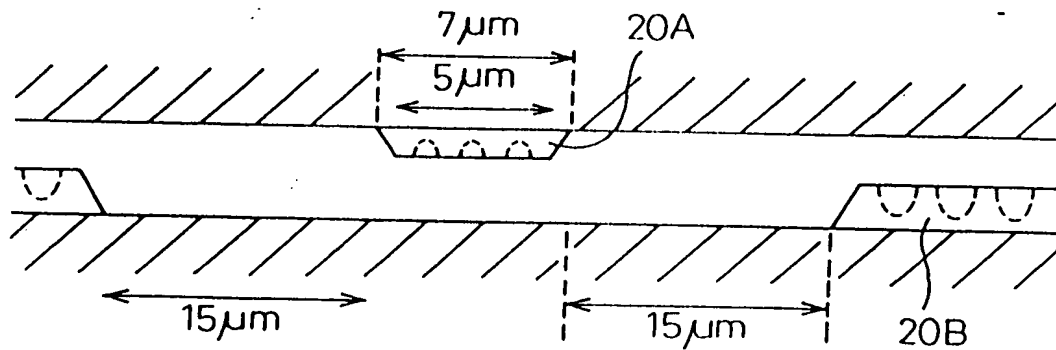


Fig. 141B







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Fig. 142A

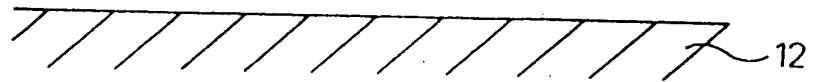


Fig. 142B

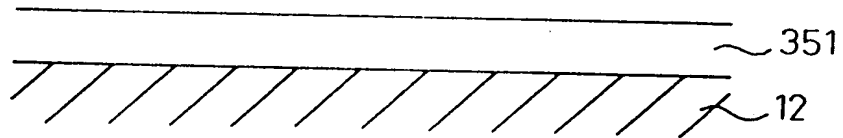


Fig. 142C

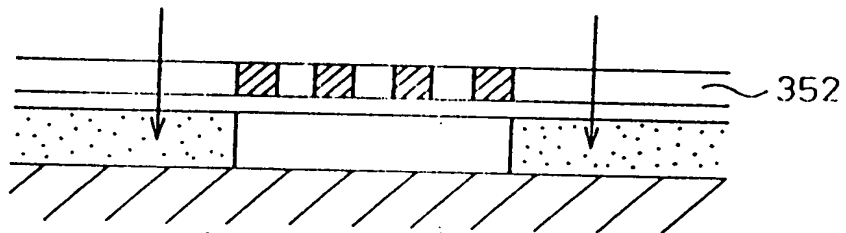


Fig. 142D

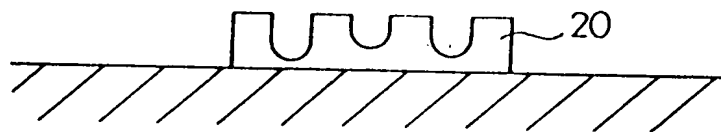
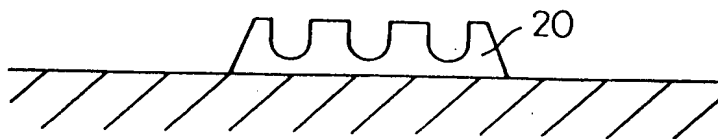
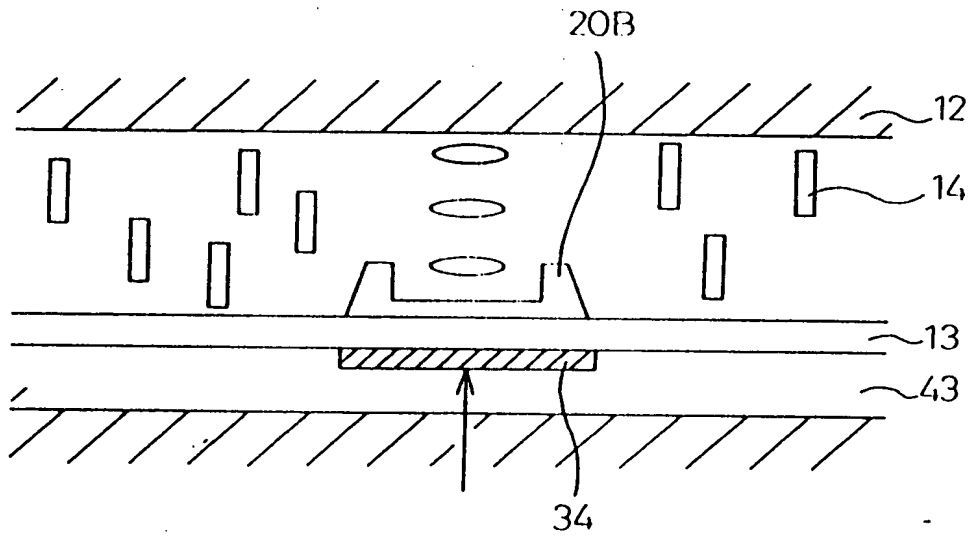


Fig. 142E



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Fig.143



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Fig. 144A

BEFORE BAKING

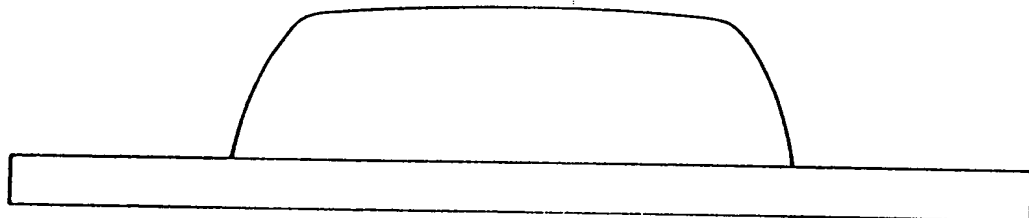
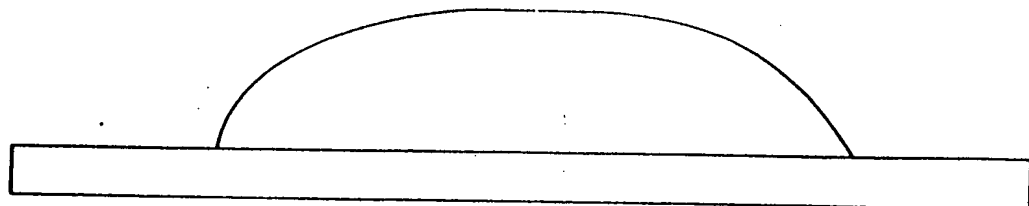


Fig. 144B

AFTER BAKING



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Fig.145A NO BAKING



Fig.145B 120°C



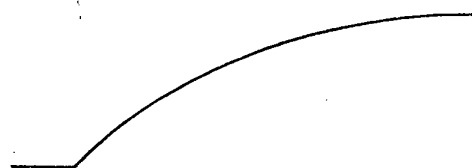
Fig.145C 130°C



Fig.145D 140°C



Fig.145E 150°C



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Fig. 146A

2  $\mu$  m WIDTH



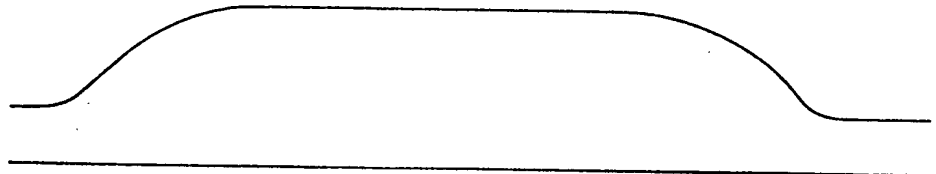
Fig. 146B

5  $\mu$  m WIDTH



Fig. 146C

10  $\mu$  m WIDTH



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Fig. 147A

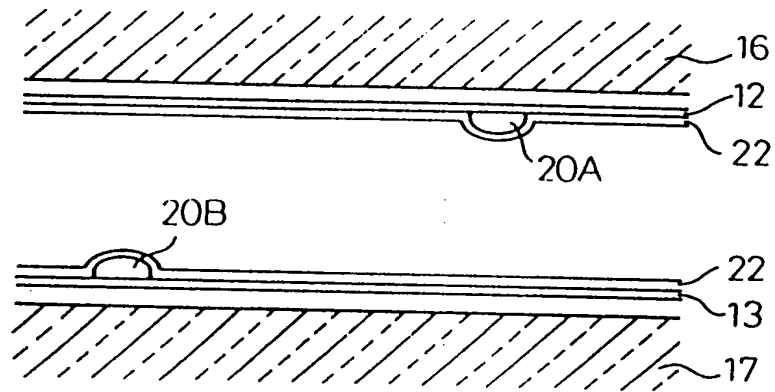
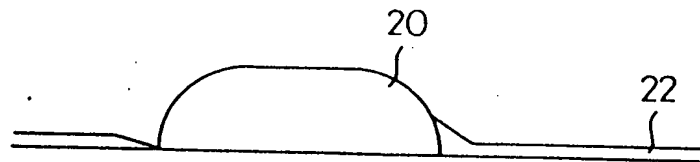


Fig. 147B



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Fig.148A

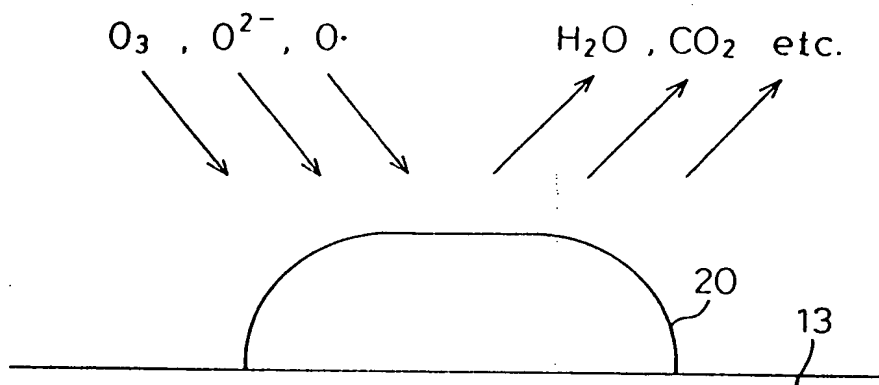


Fig.148B

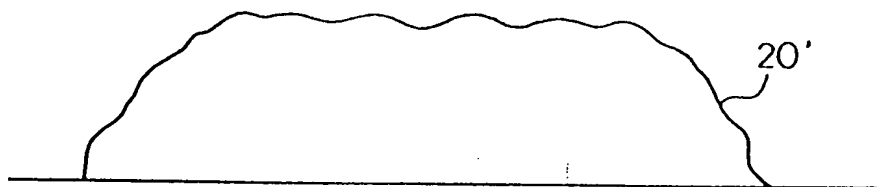
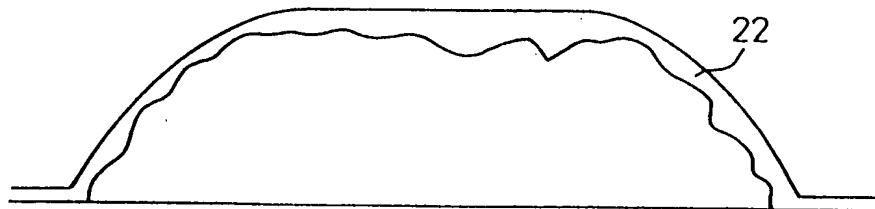


Fig.148C



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Fig. 149A

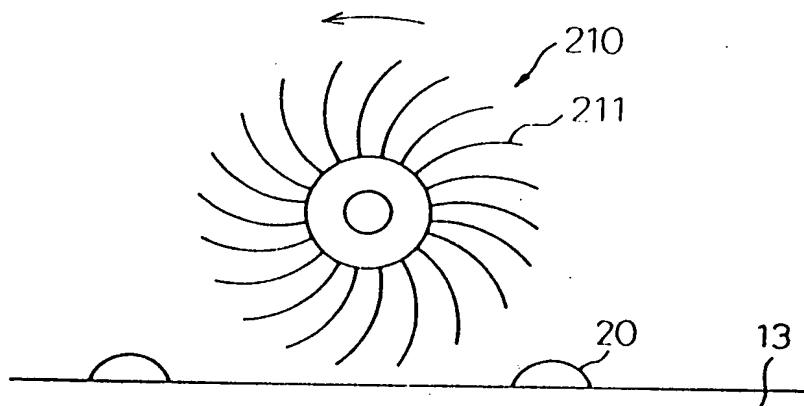


Fig. 149B





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Fig. 150

ULTRA-VIOLET LIGHT





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Fig.151A

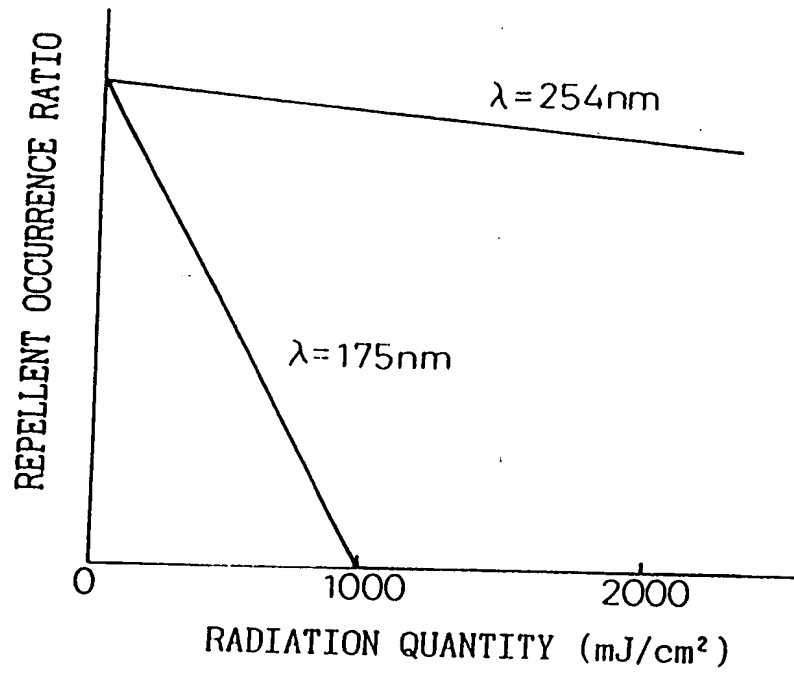
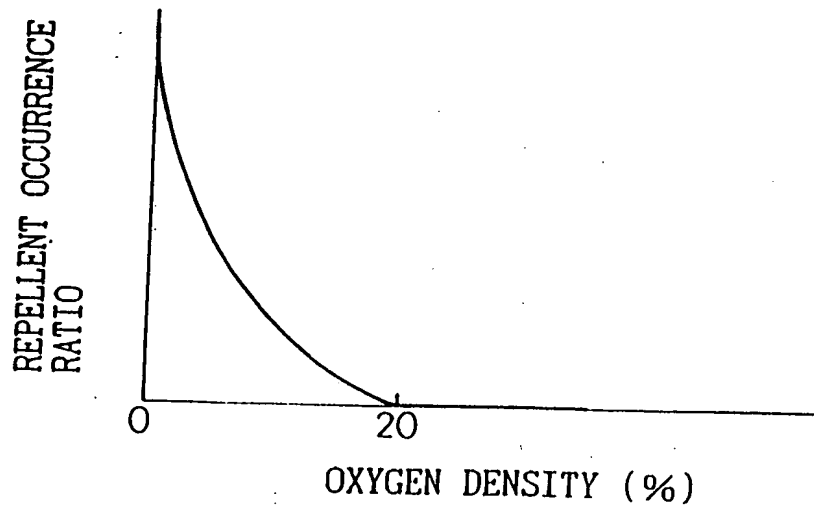


Fig.151B





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Fig. 152A

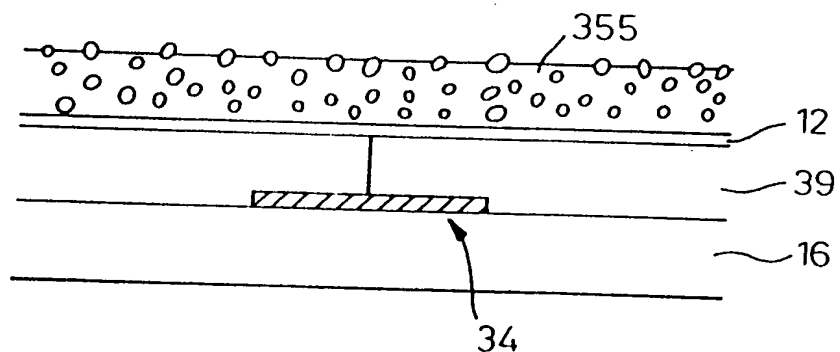


Fig. 152B

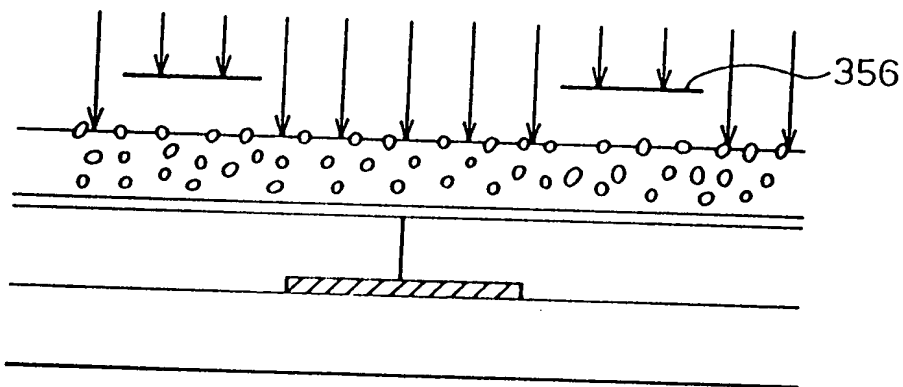
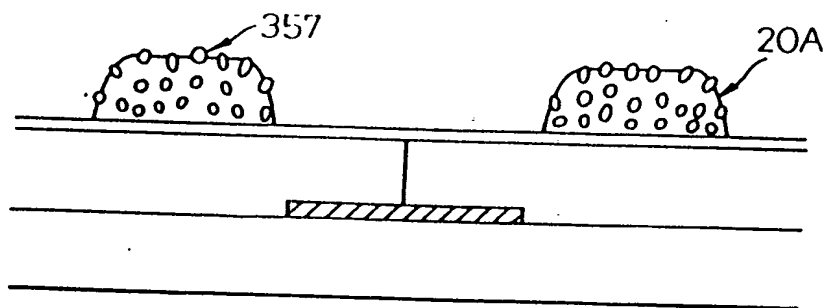


Fig. 152C





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Fig. 153A

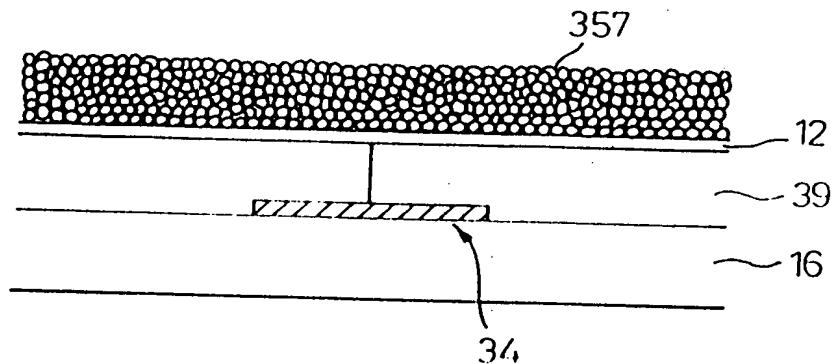


Fig. 153B

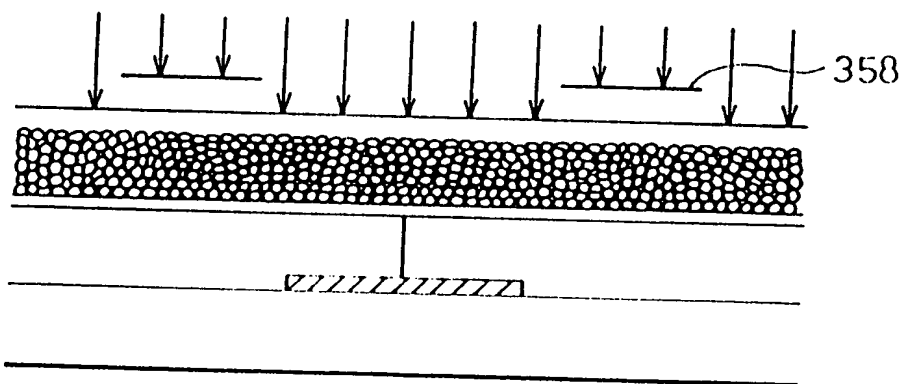
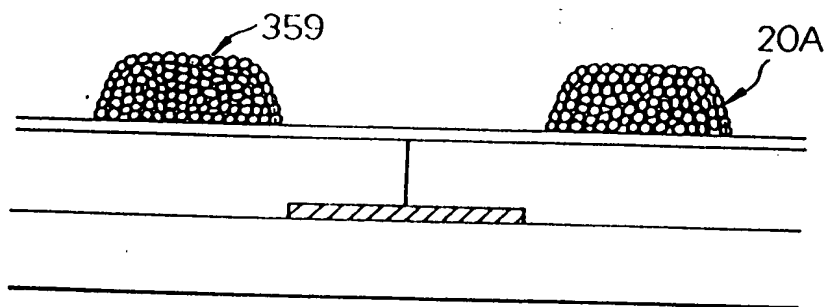


Fig. 153C



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Fig.154A

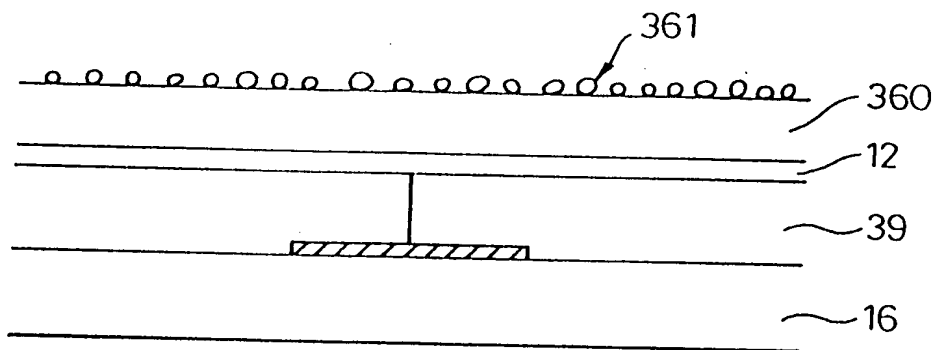
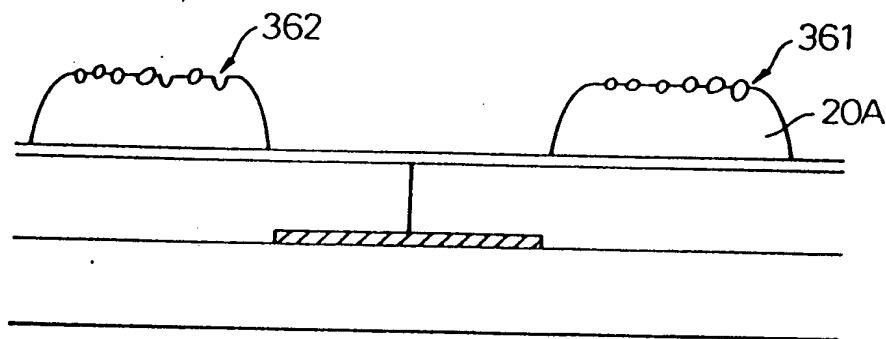


Fig.154B





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Fig. 155A

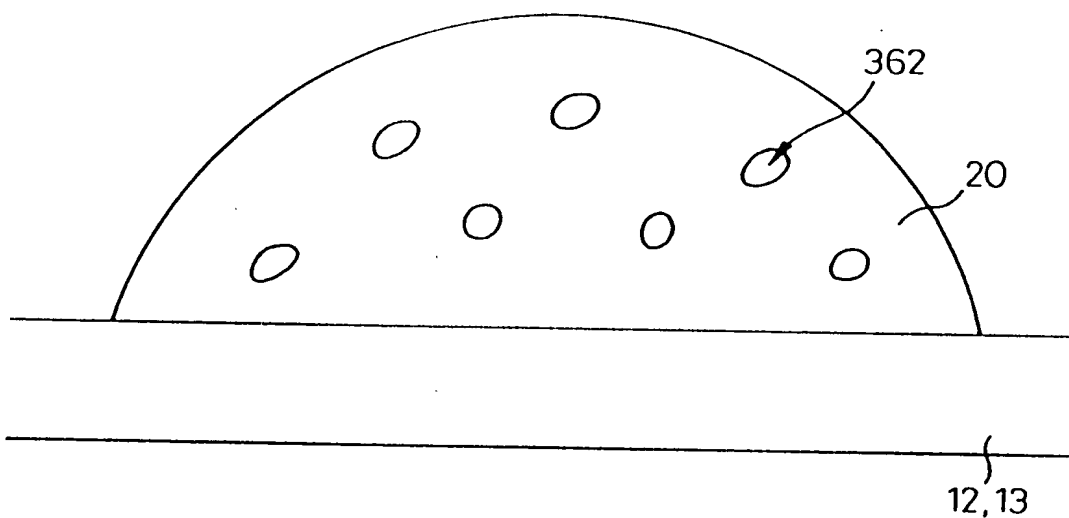
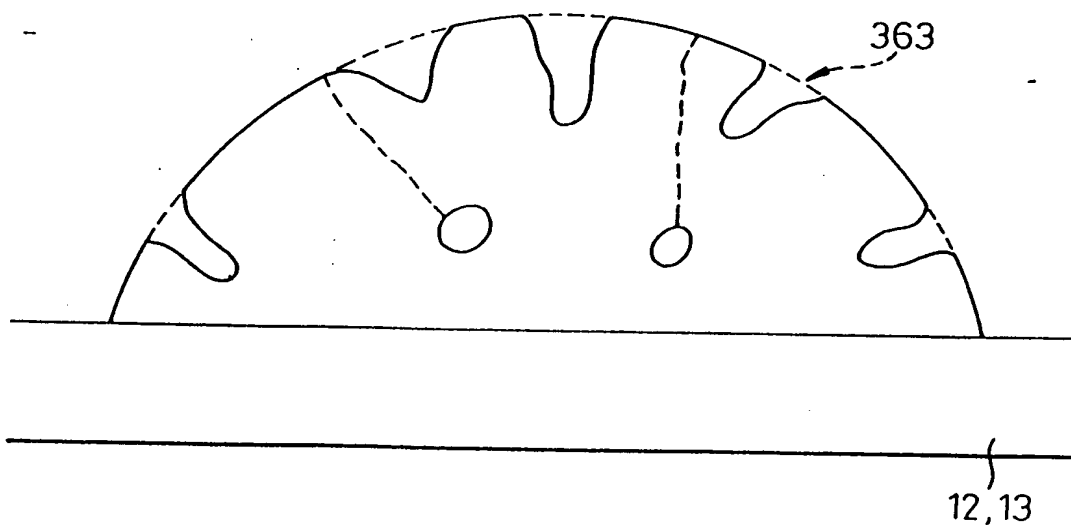
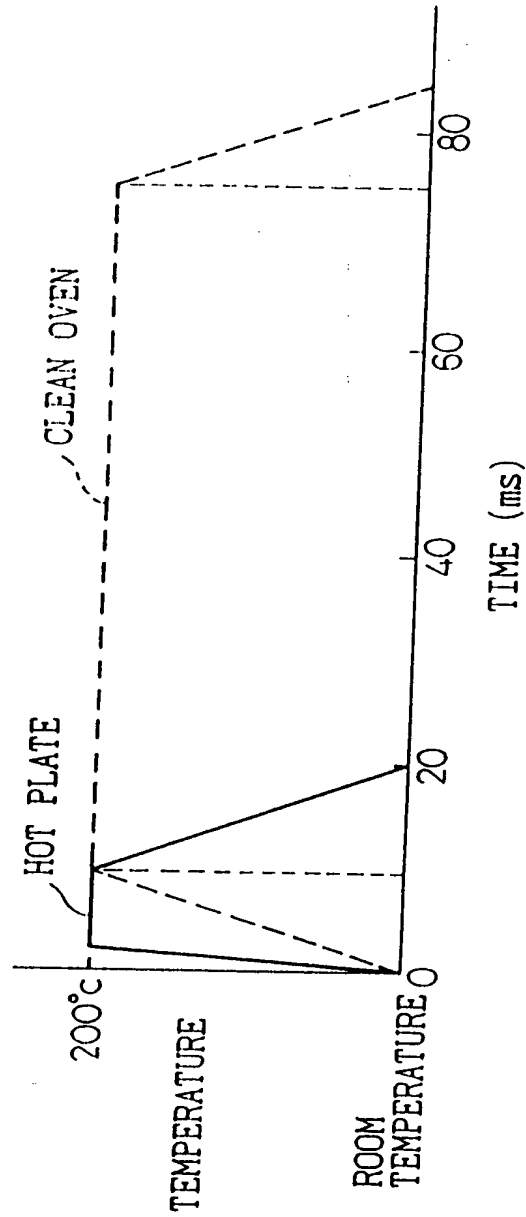


Fig. 155B



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Fig.156



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Fig. 157A

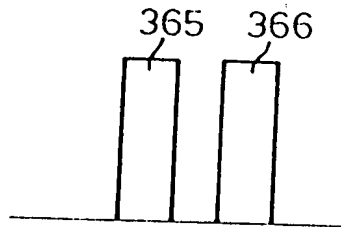


Fig. 157B

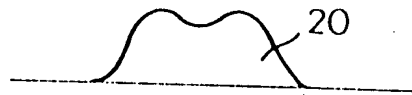
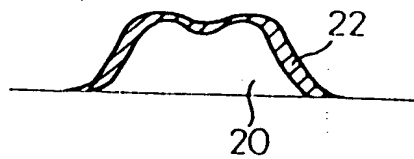


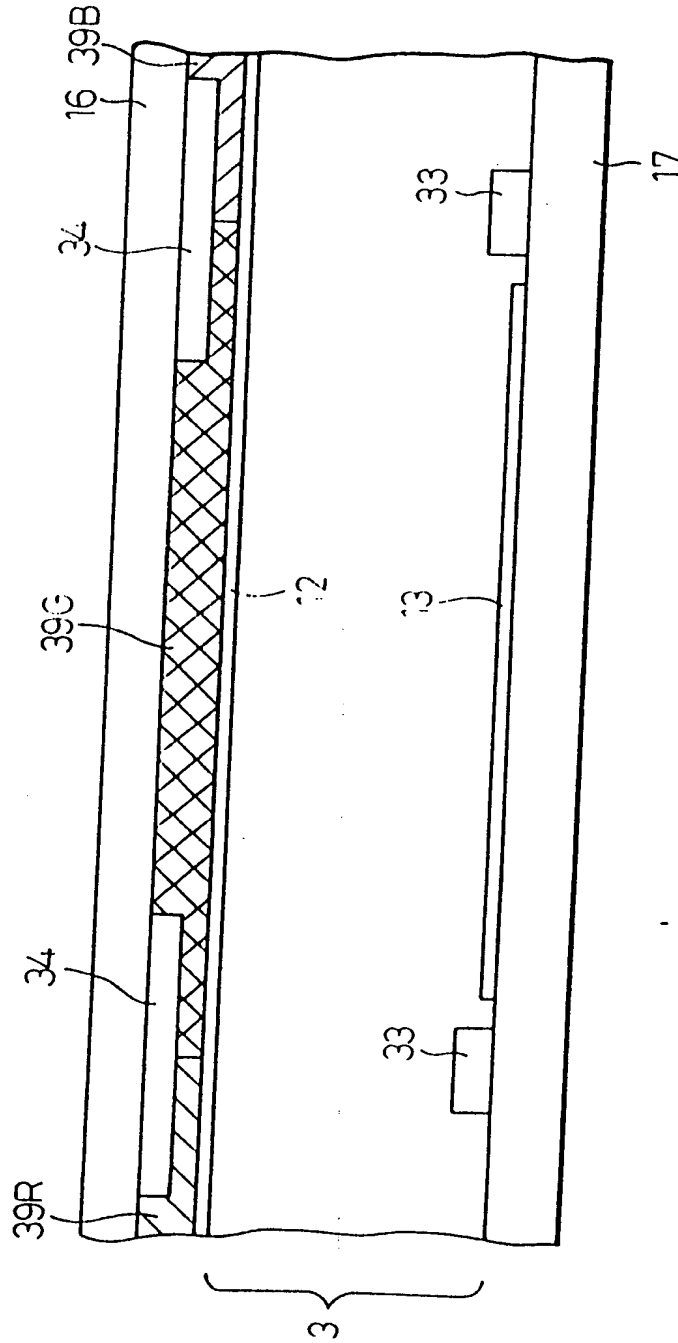
Fig. 157C





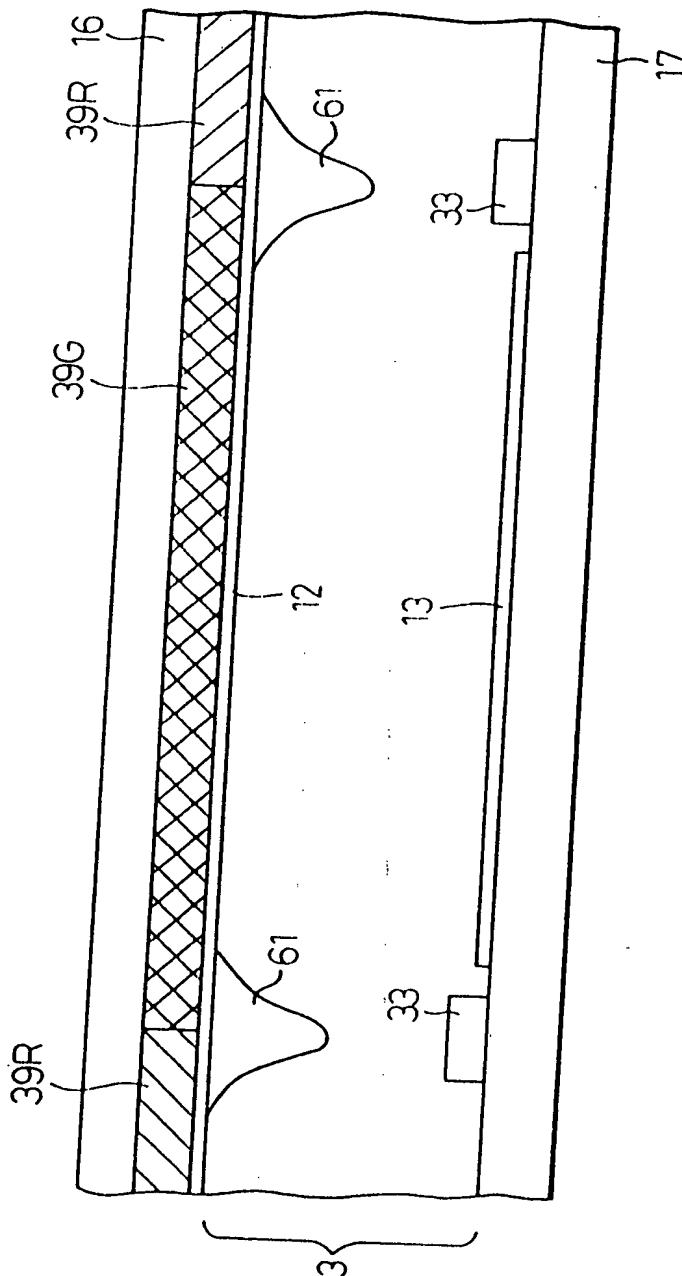
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Fig. 158



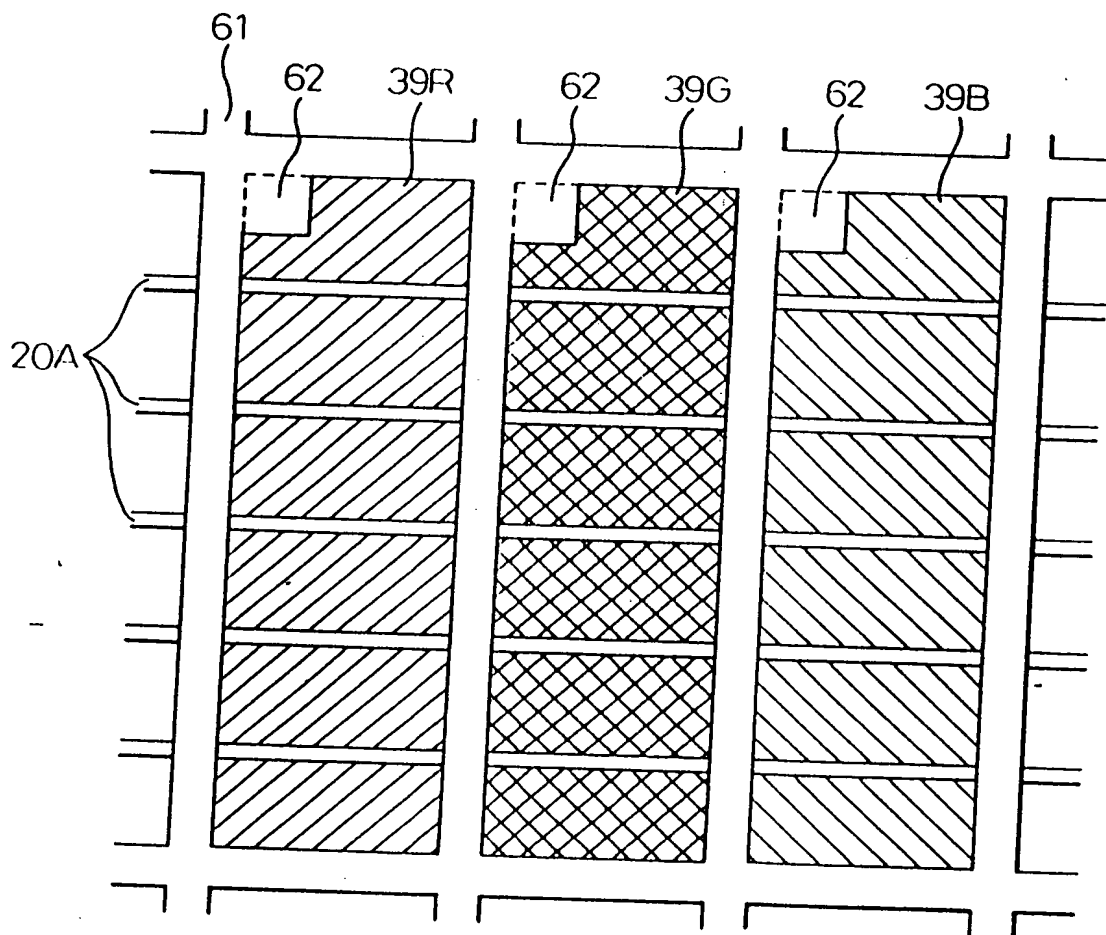
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Fig. 159



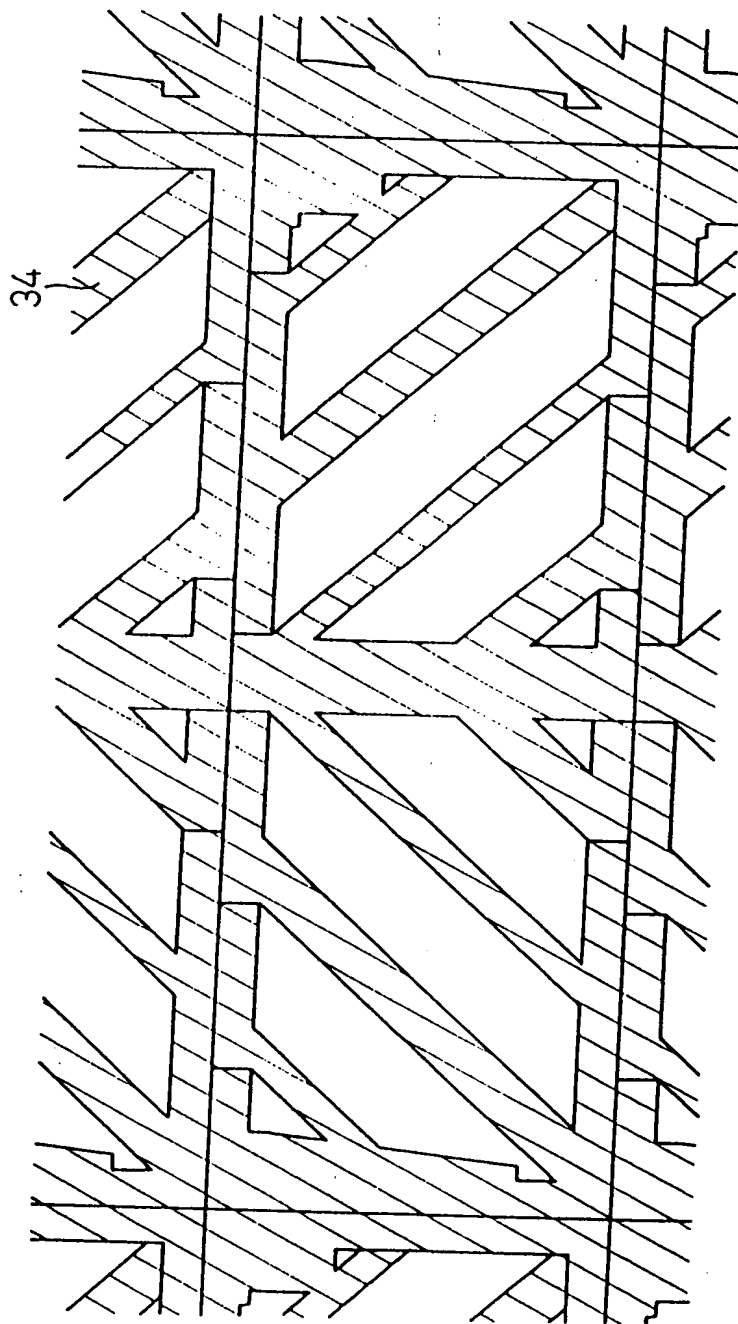
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Fig. 160



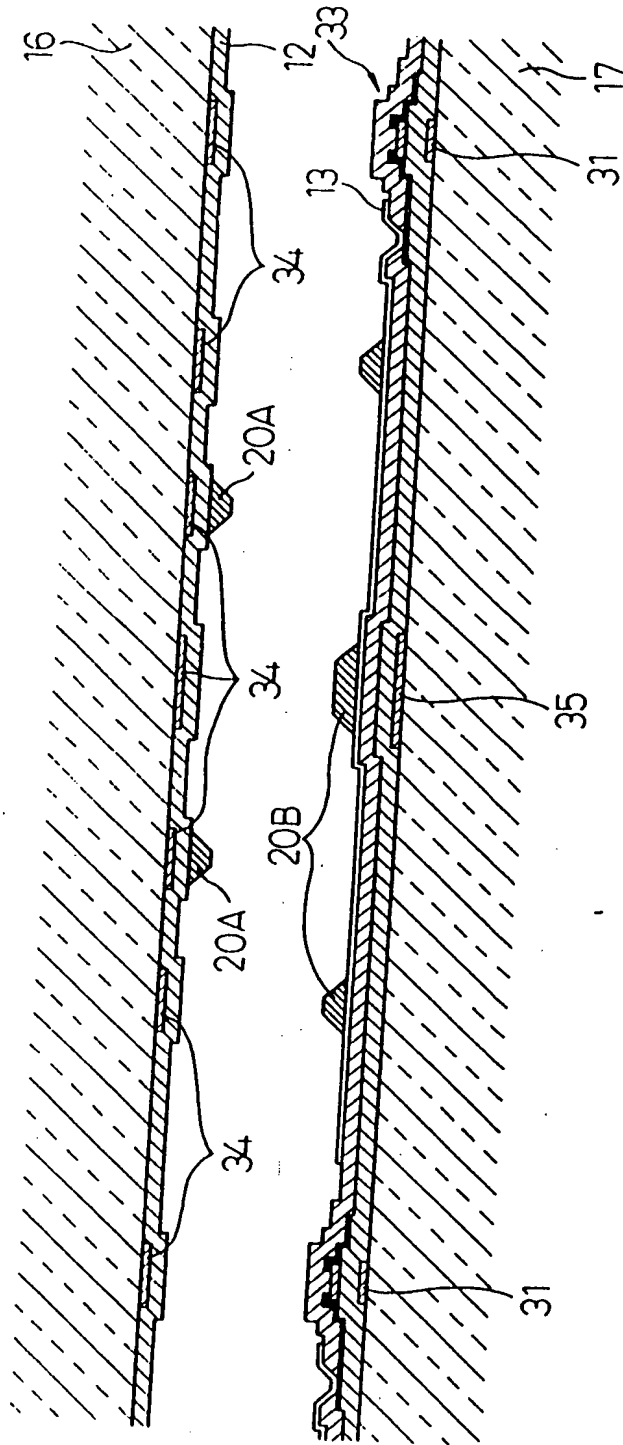
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Fig. 161



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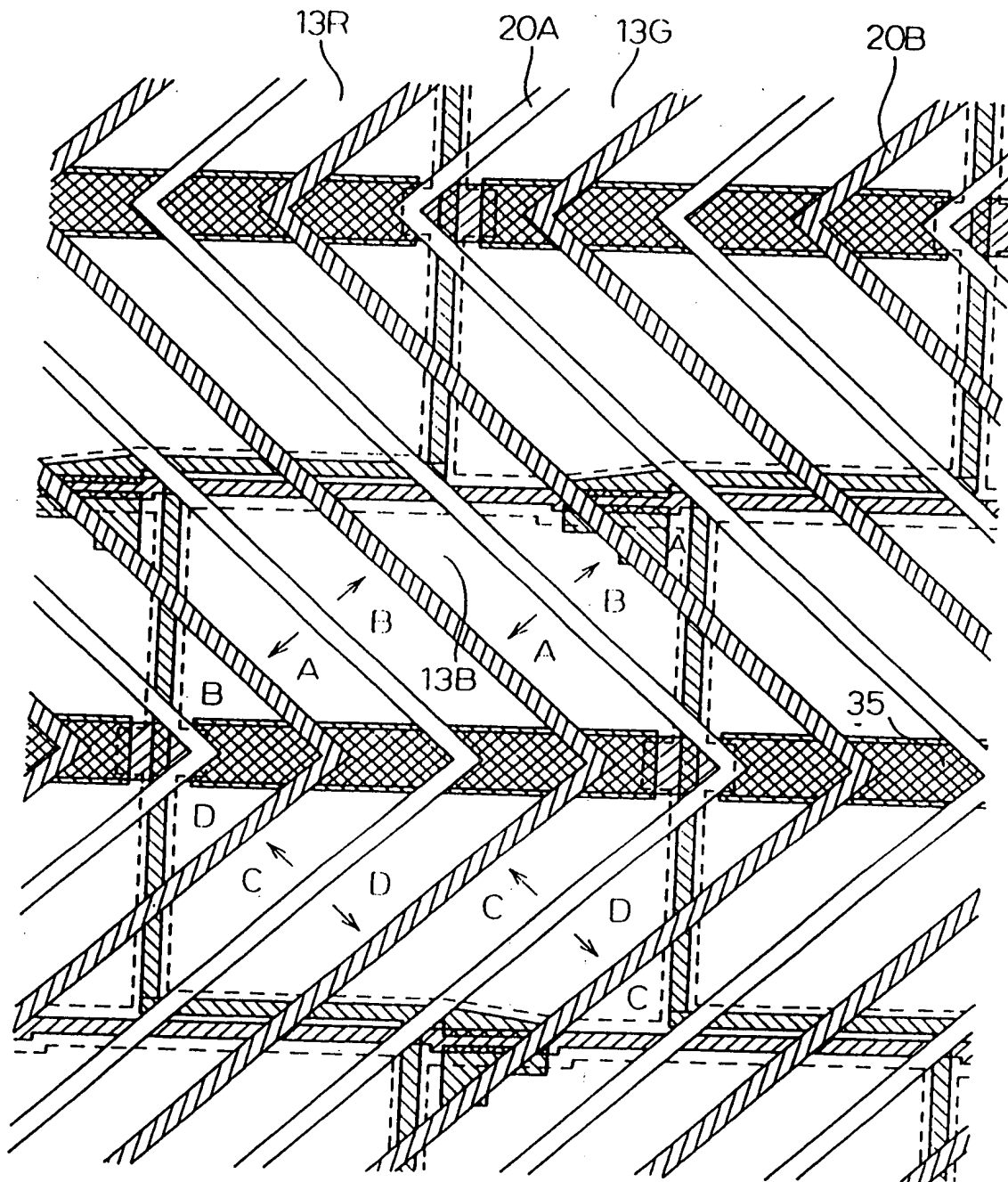
Fig. 162





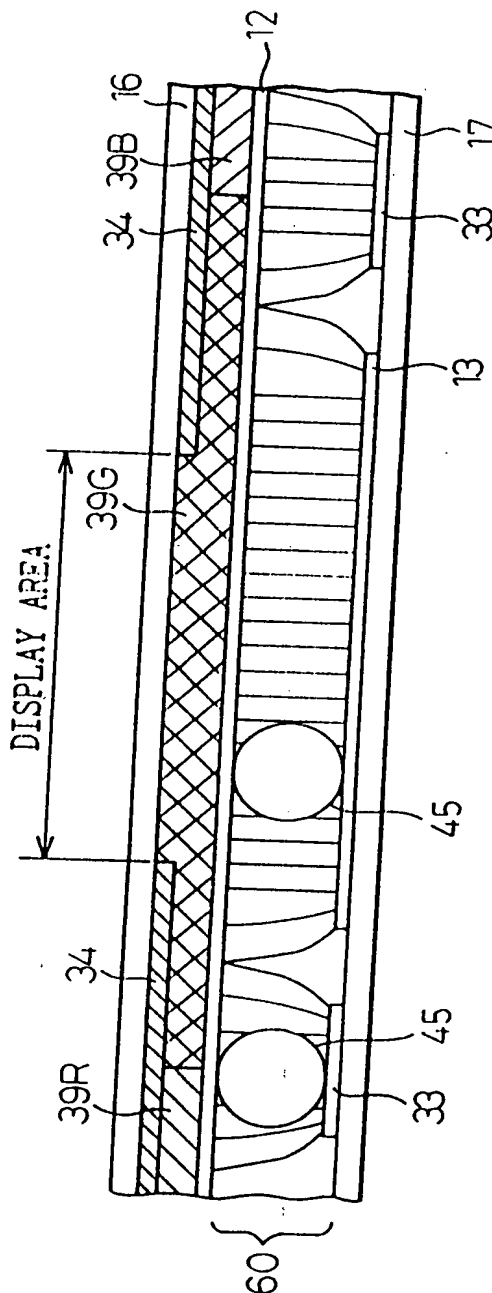
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Fig. 163



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Fig. 164



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Fig. 165A

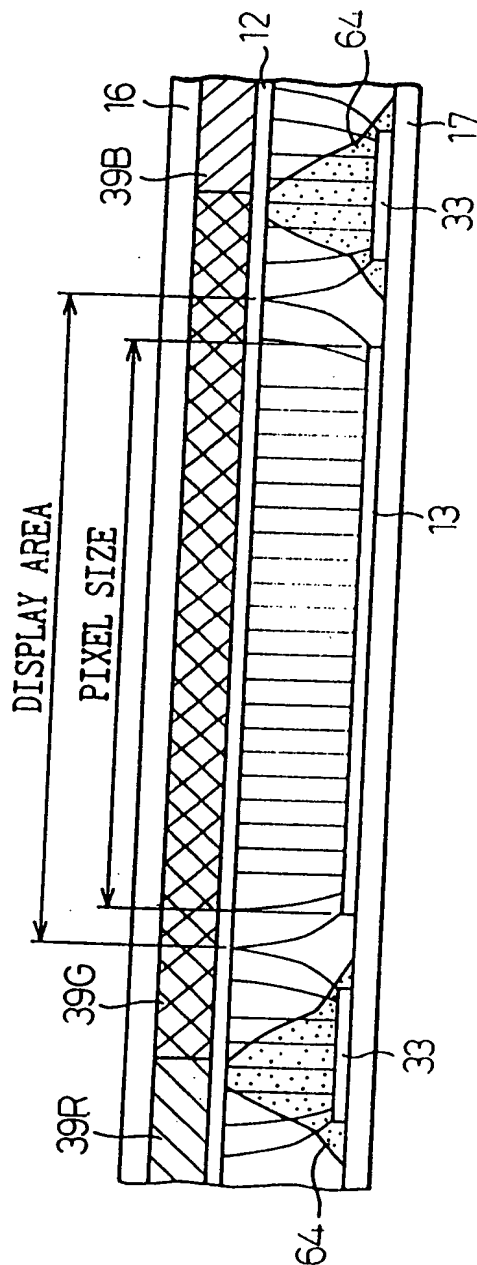
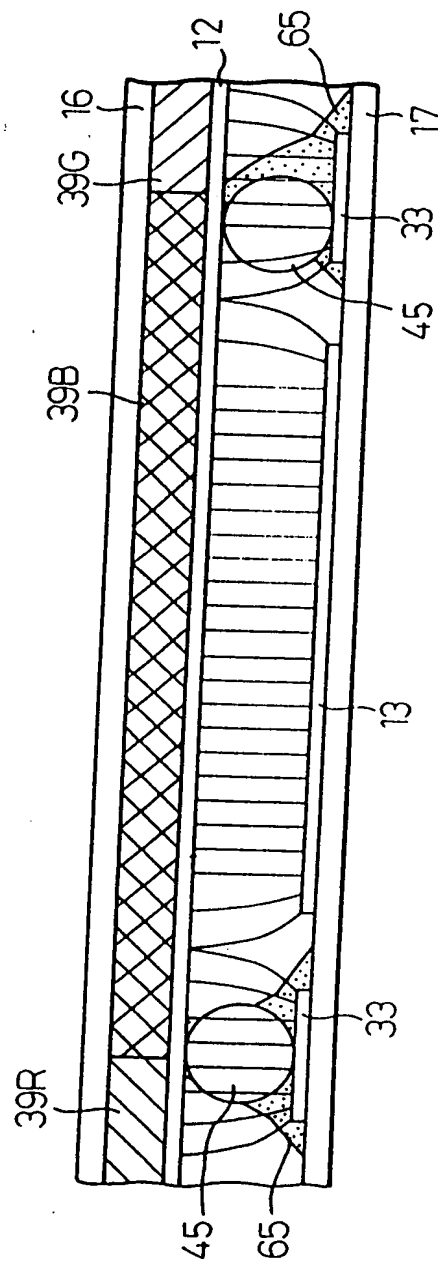


Fig. 165B





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Fig. 166A

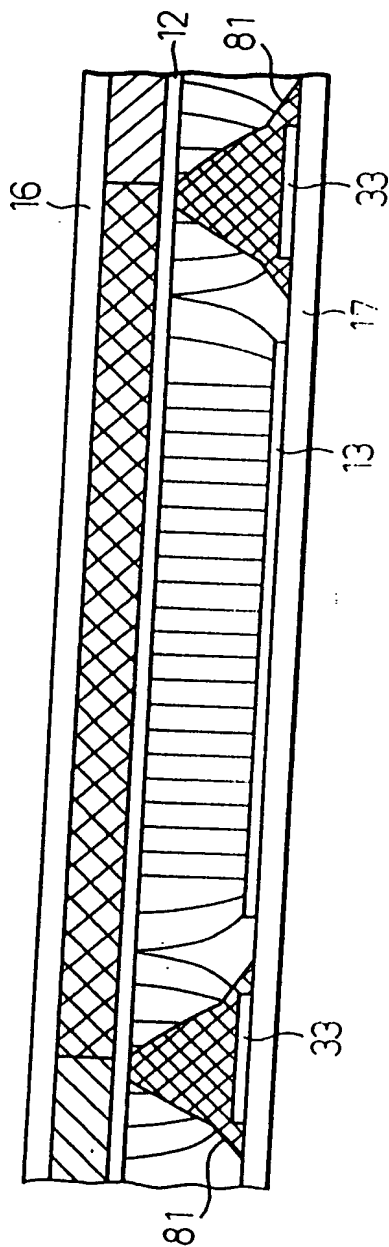
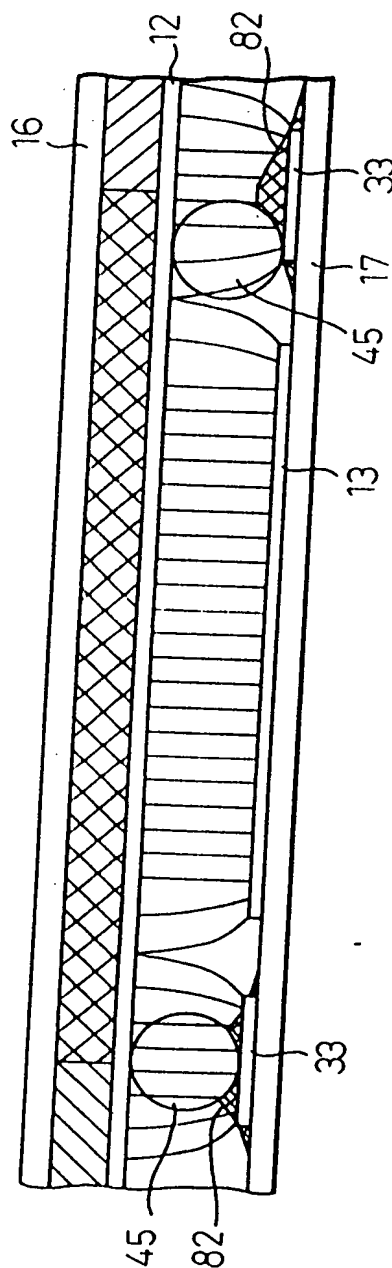
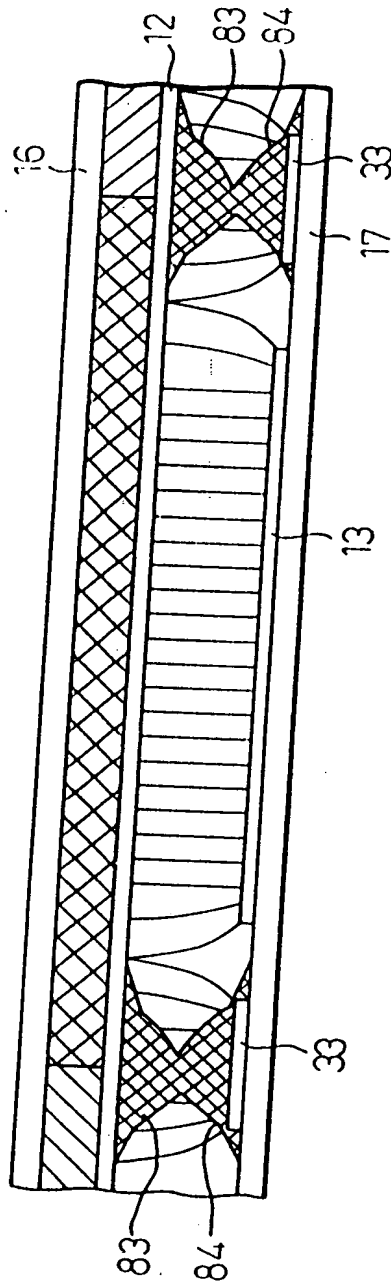


Fig. 166B



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Fig. 167





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Fig.168A

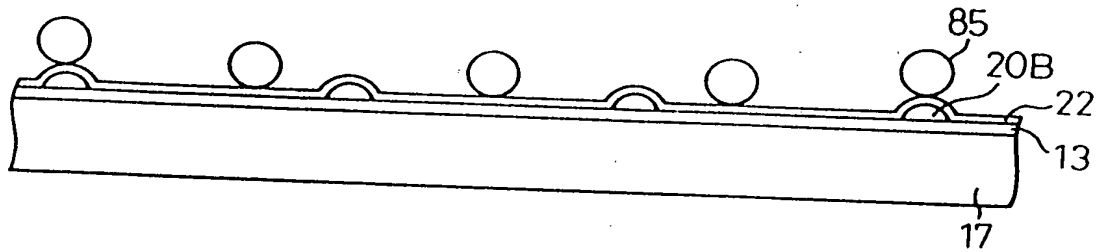


Fig.168B

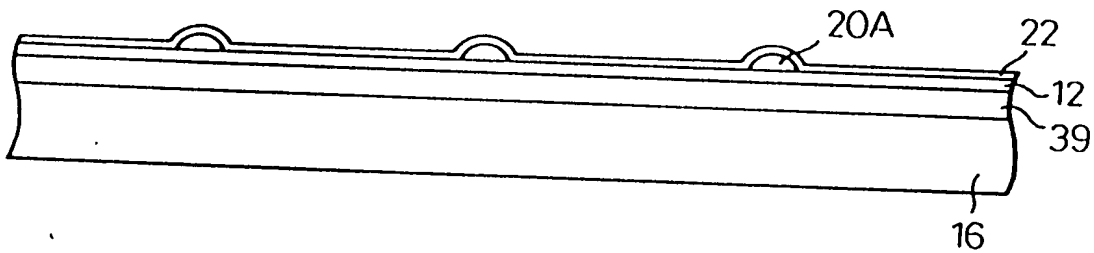
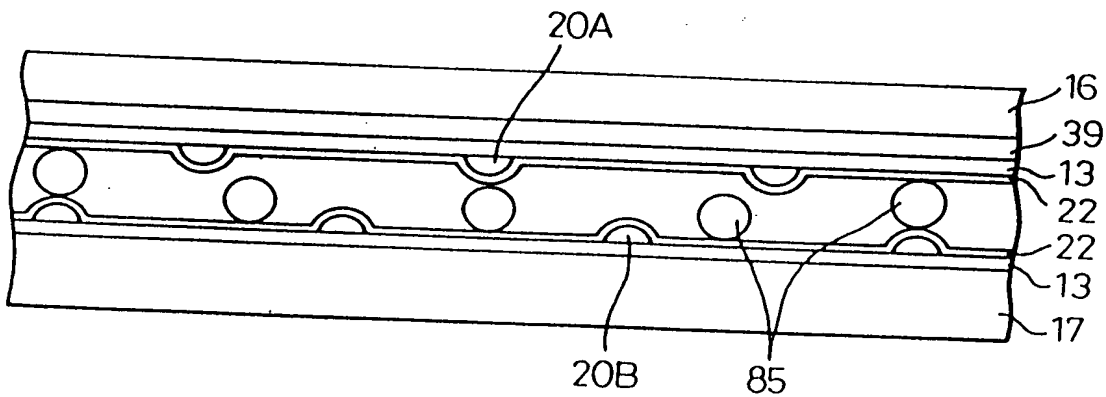
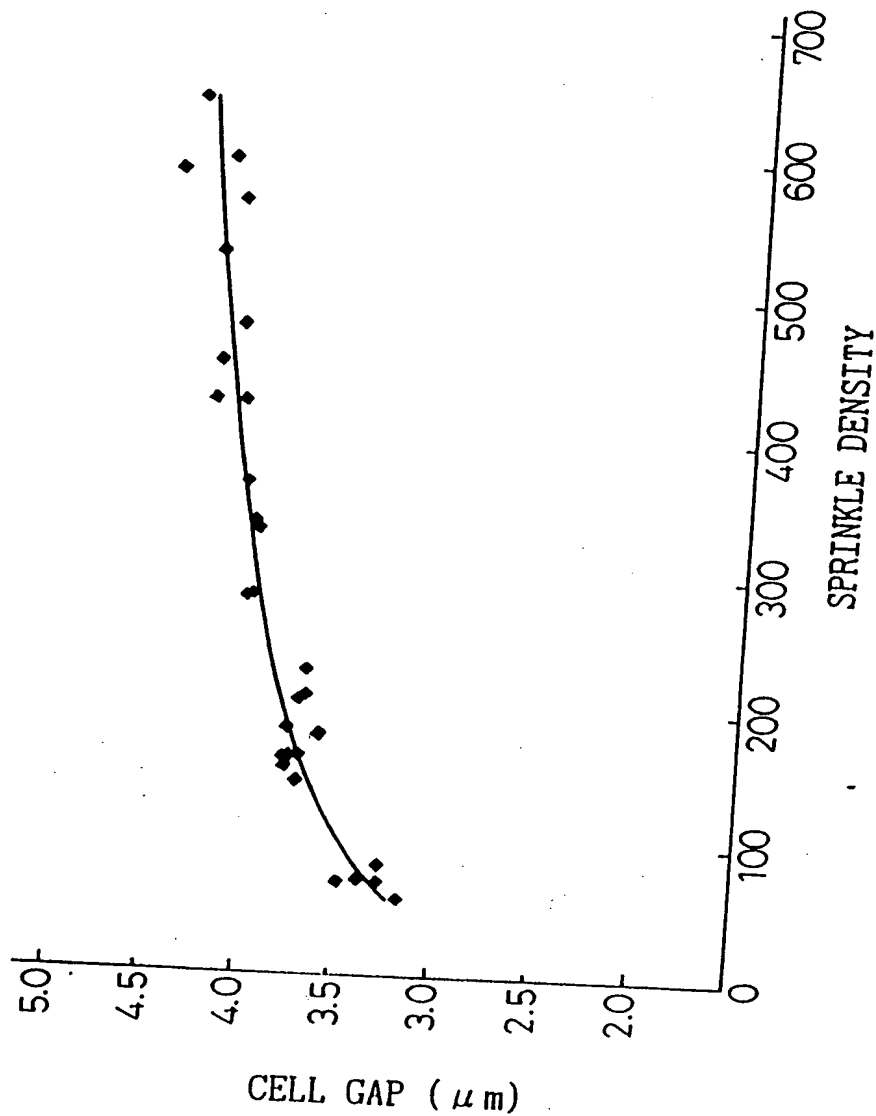


Fig.168C



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Fig. 169



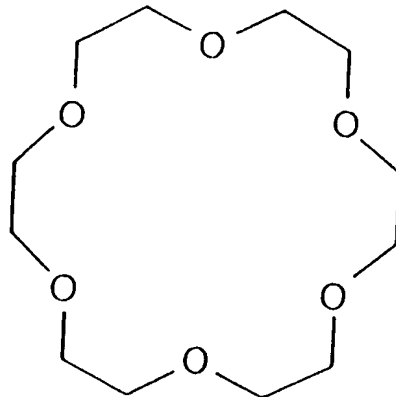
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Fig. 170

SPRINKLE DENSITY OF SPACERS (NUMBERS/mm <sup>2</sup> )	50	100	150	200	250	300	350	400	450	500	550
BLEMISH OCCURRENCE DUE TO PUSHING	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
BLEMISH OCCURRENCE DUE TO PULLING	NO	NO	NO	NO	NO	NO	YES	YES	YES	YES	YES

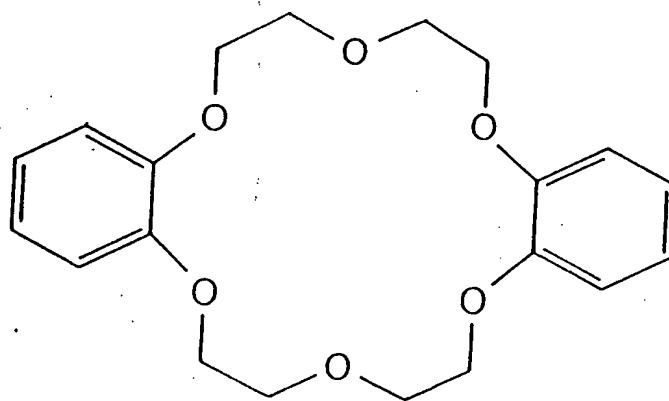
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Fig.171A



18-CROWN-6

Fig.171B

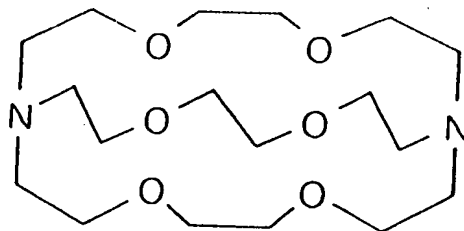


DIBENZOYL-18-CROWN-6



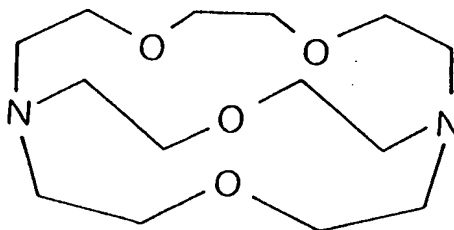
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Fig. 172A



CRYPTAND [2.2.2]

Fig. 172B



CRYPTAND [2.1.1]



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Fig.173A

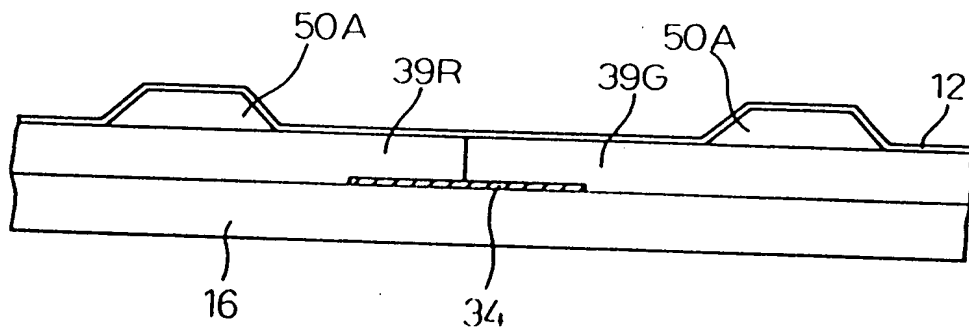
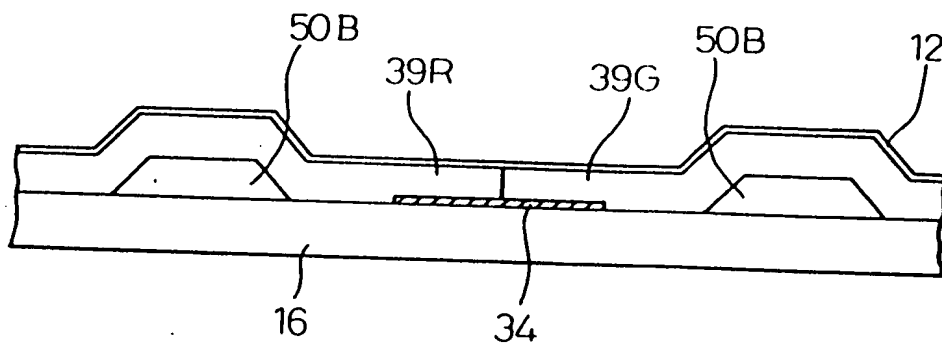


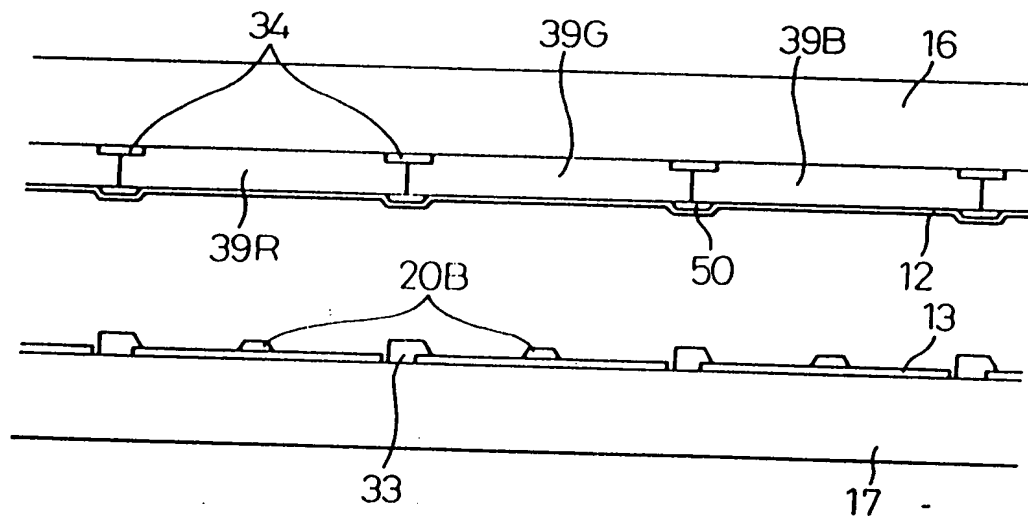
Fig.173B





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Fig. 174



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Fig. 175A

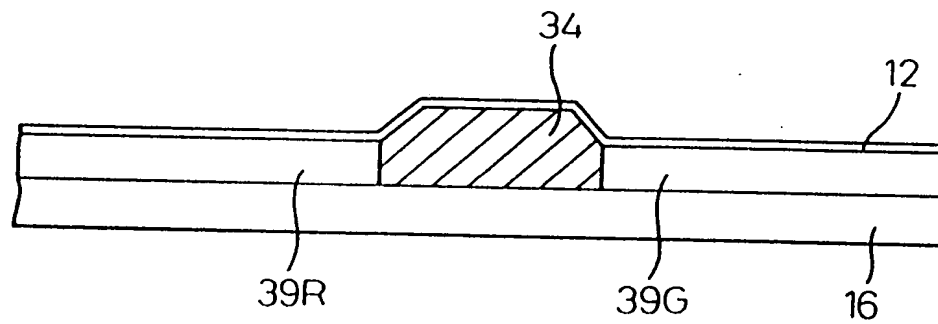
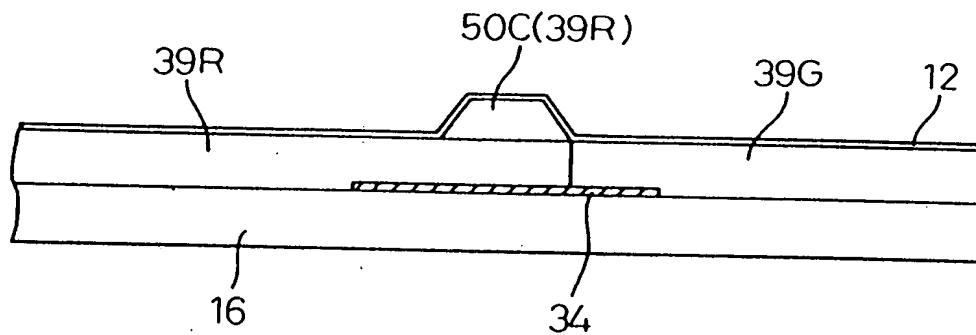


Fig. 175B



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Fig.176A

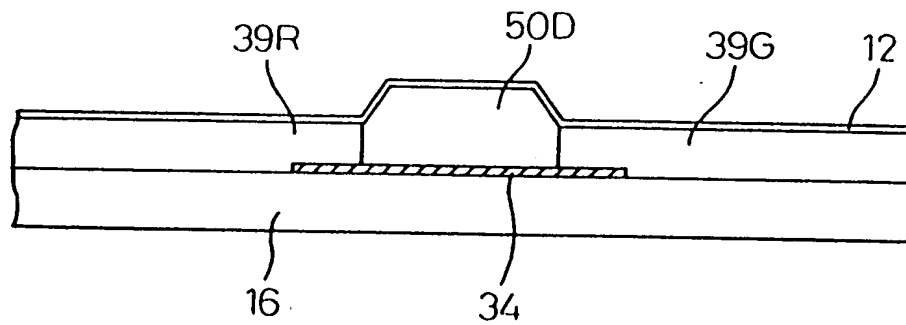
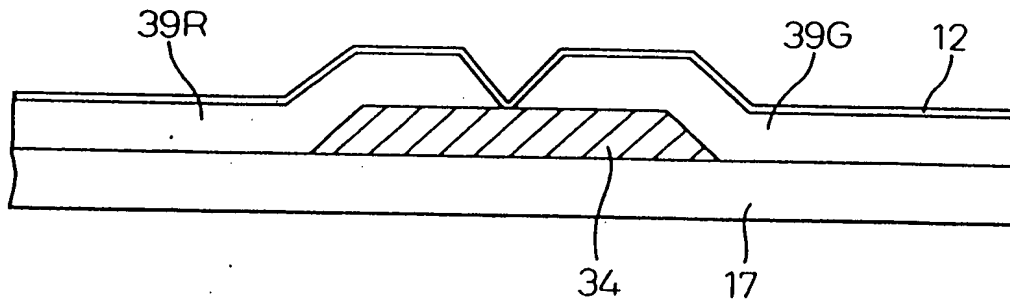


Fig.176B



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Fig.177A

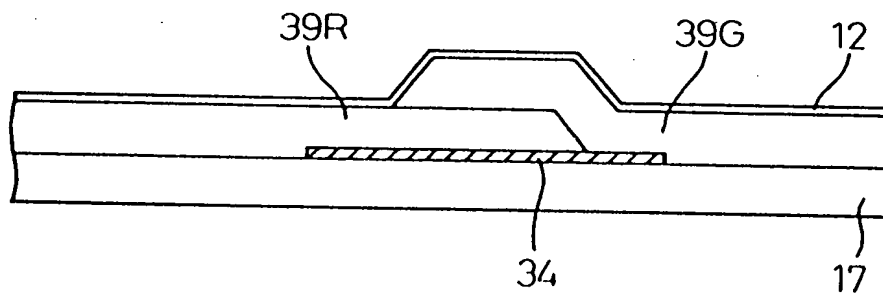
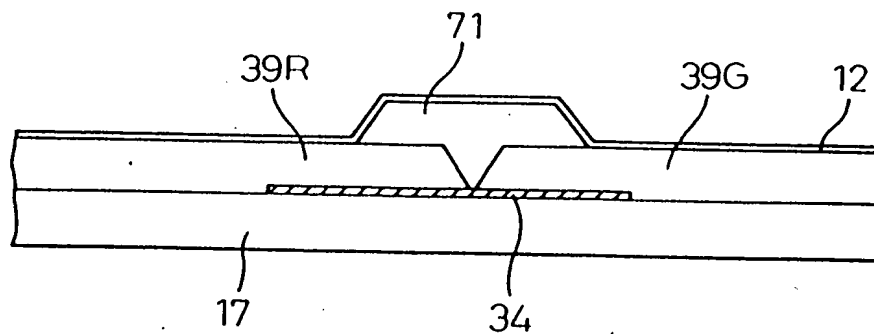
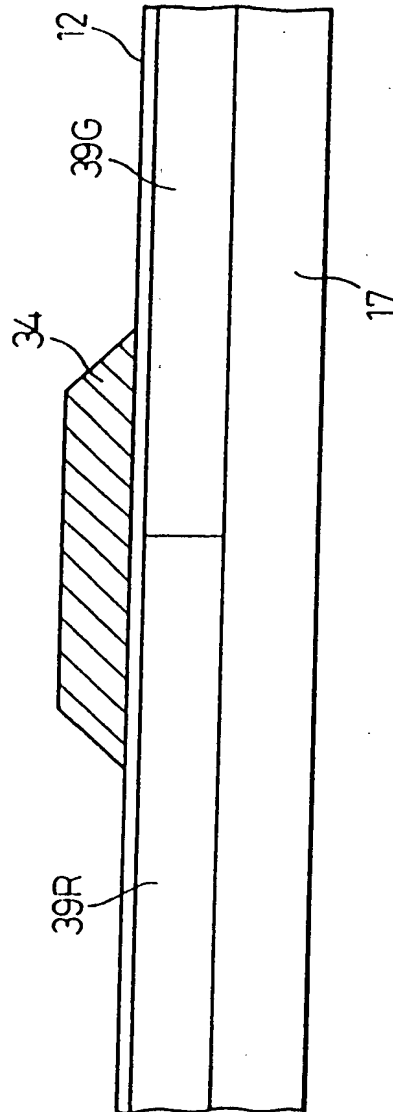


Fig.177B



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Fig. 178



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Fig.179A

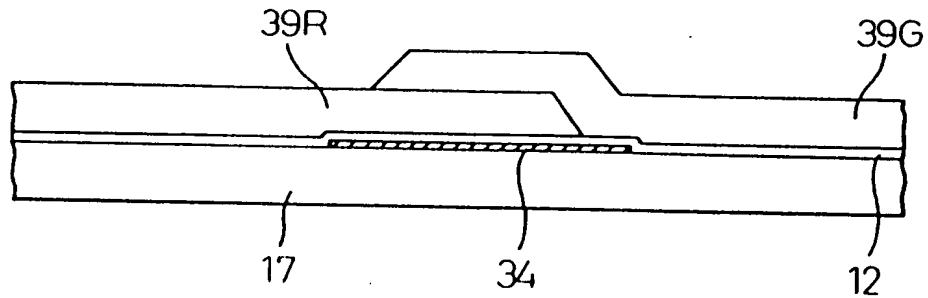
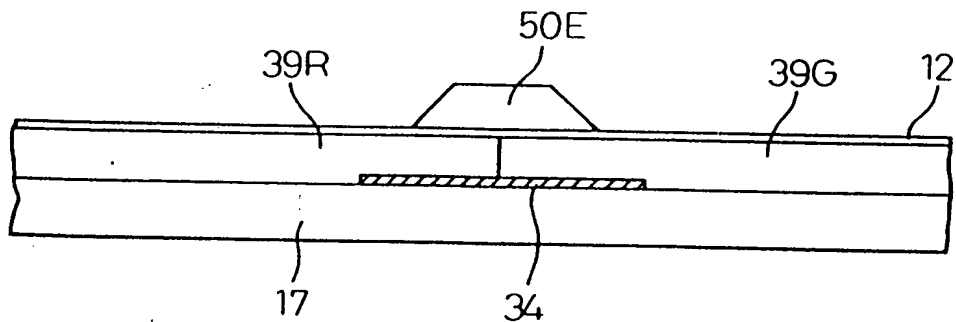


Fig.179B



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Fig.180A

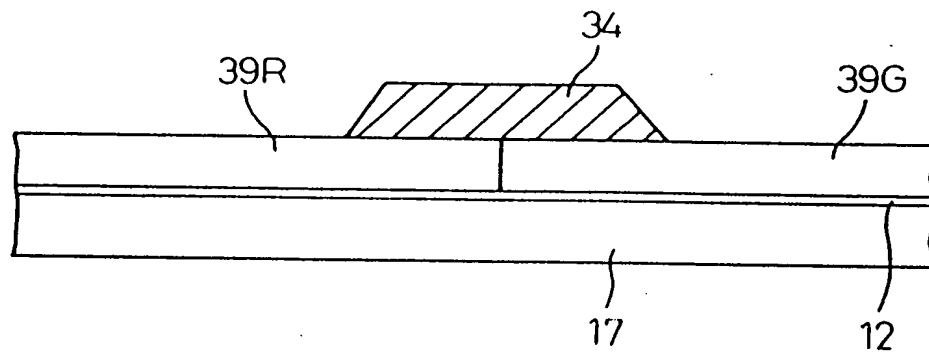
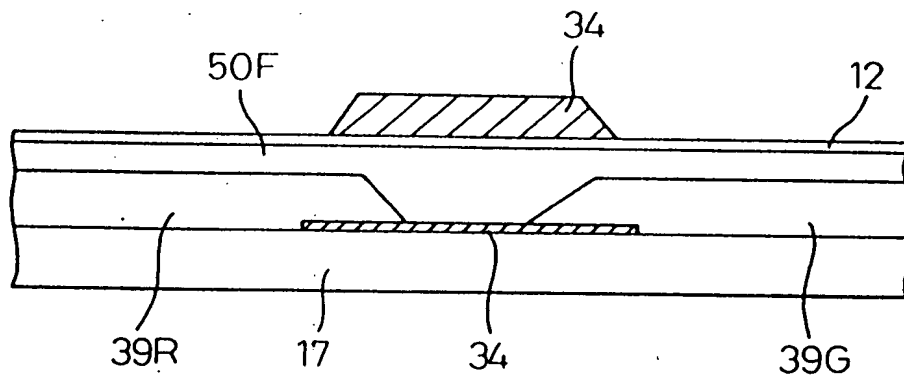


Fig.180B



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Fig.181A

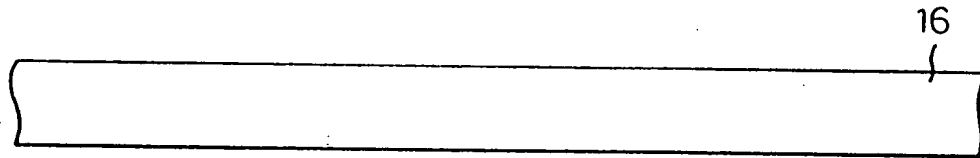


Fig.181B

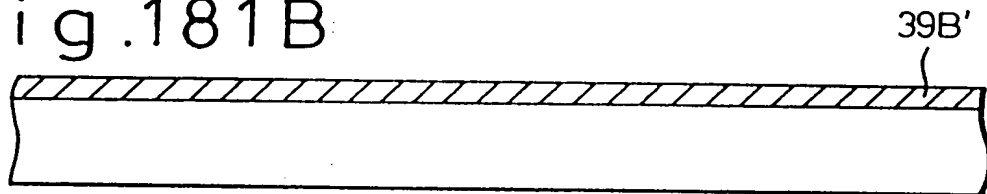


Fig.181C

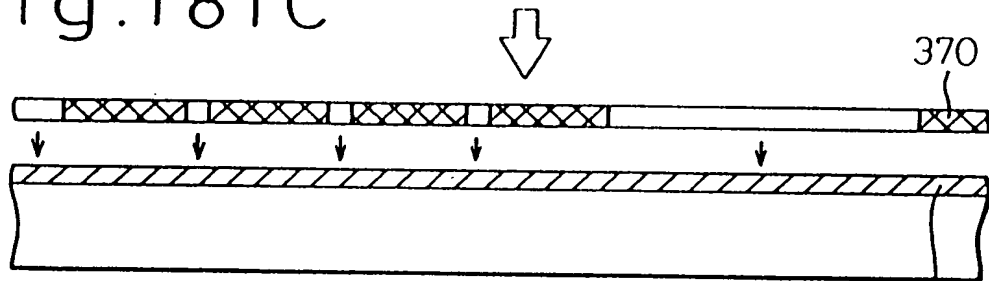
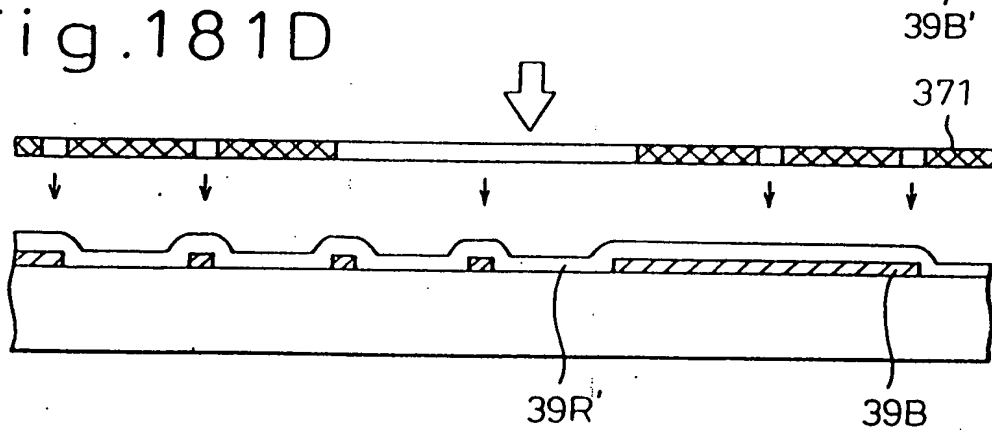


Fig.181D





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Fig. 181E

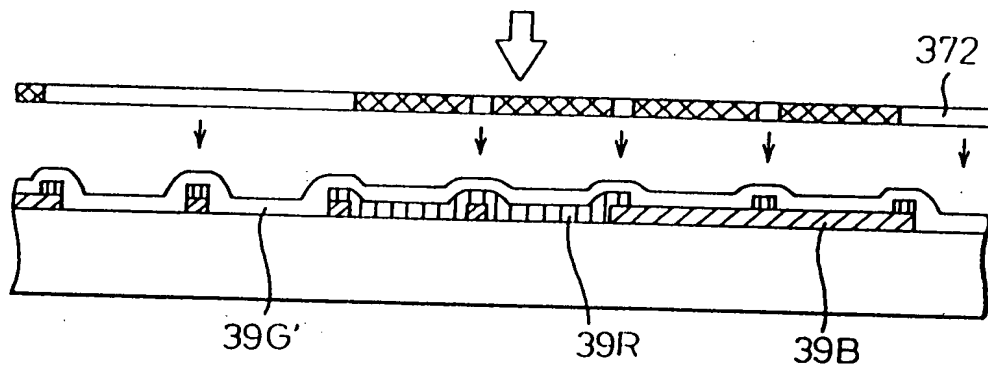


Fig. 181F

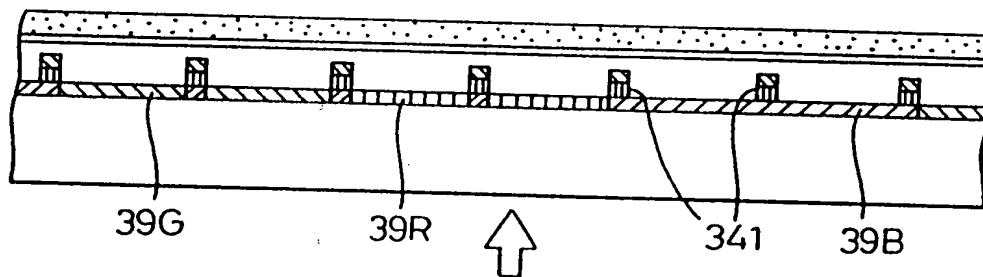
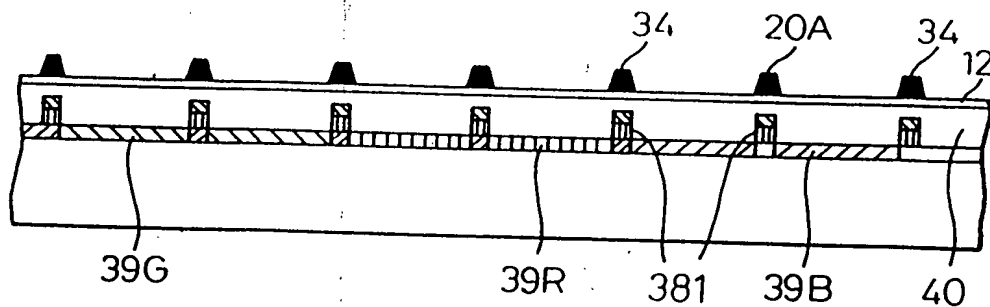
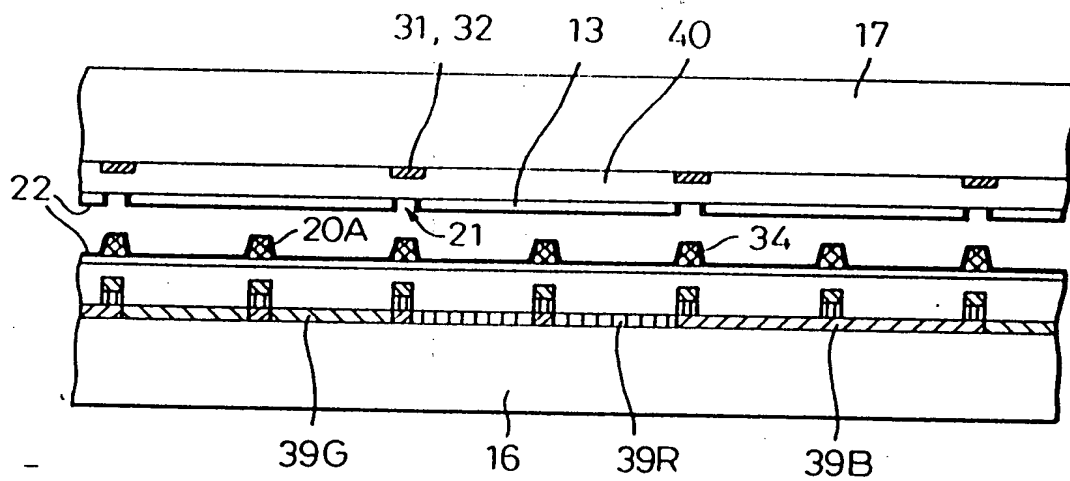


Fig. 181G



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Fig. 182



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Fig. 183A

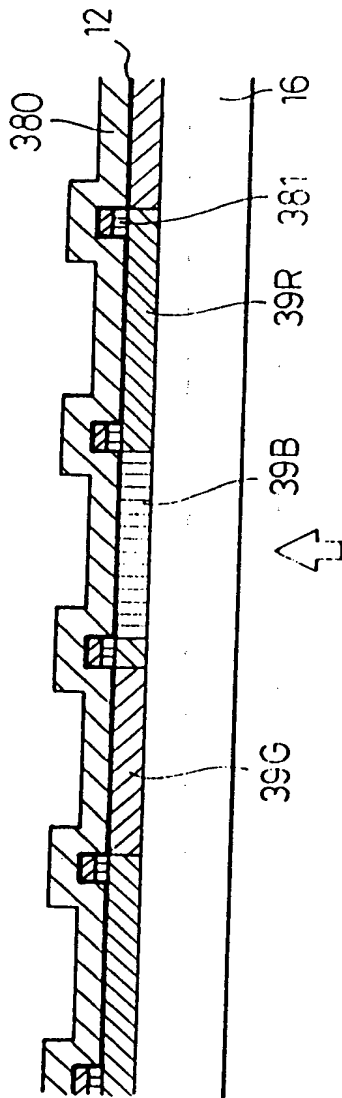
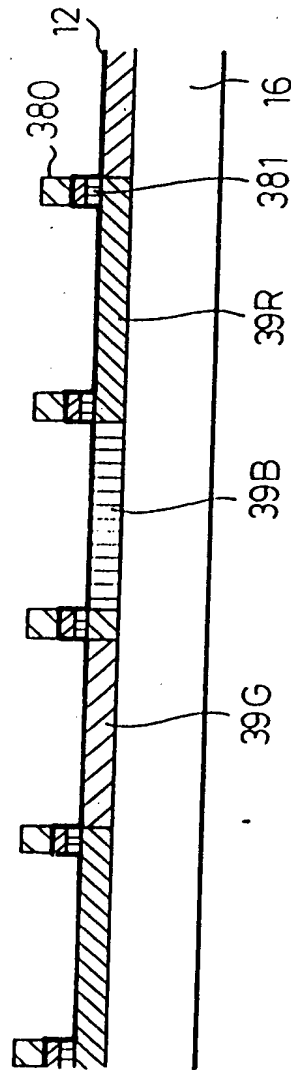


Fig. 183B



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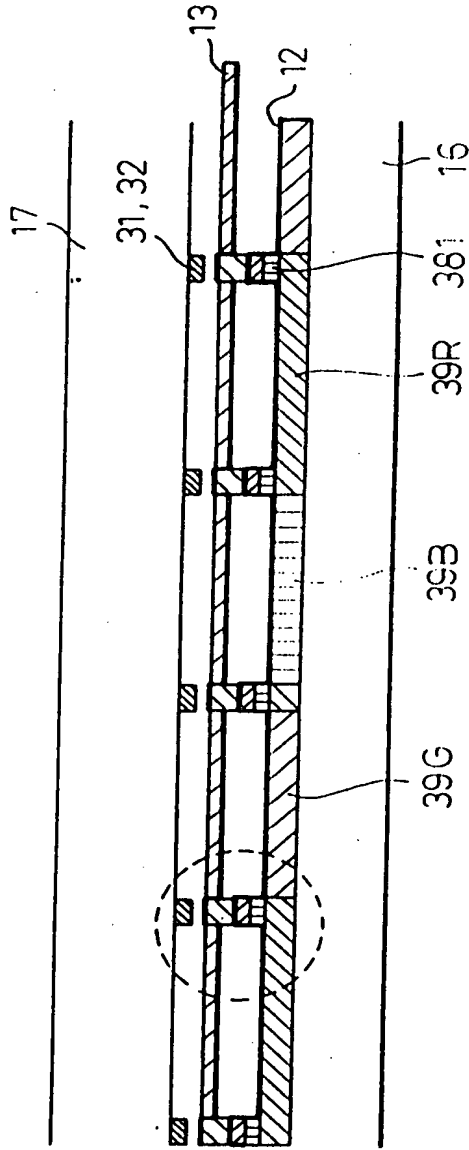


Fig. 184A

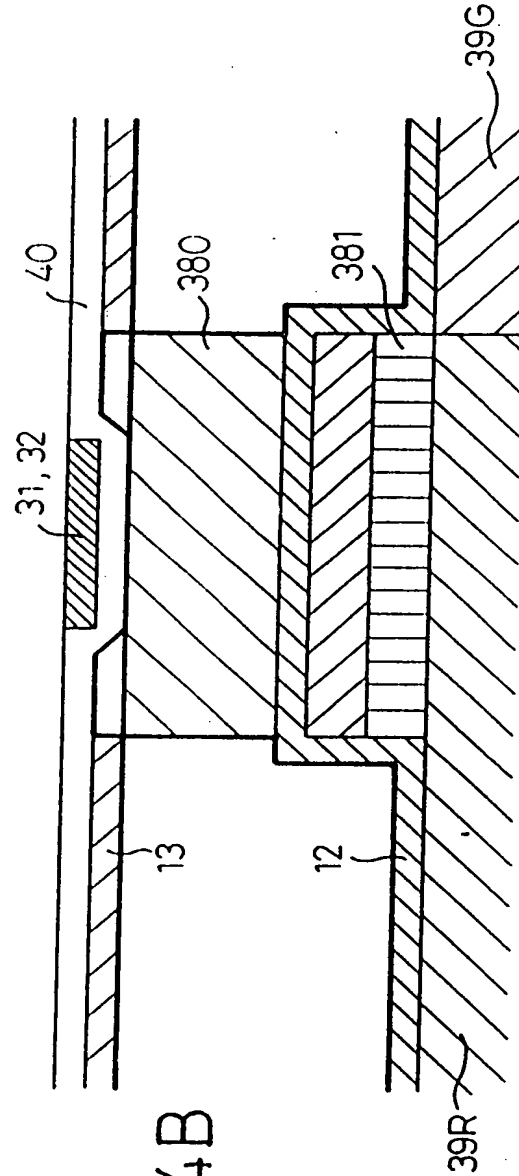


Fig. 184B



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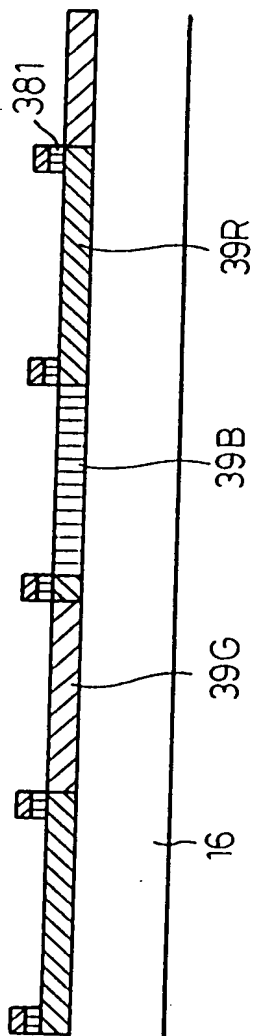


Fig. 185A

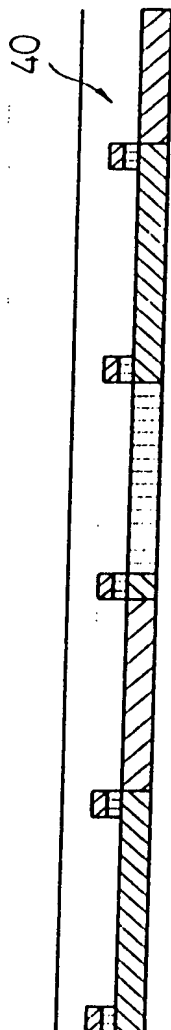


Fig. 185B

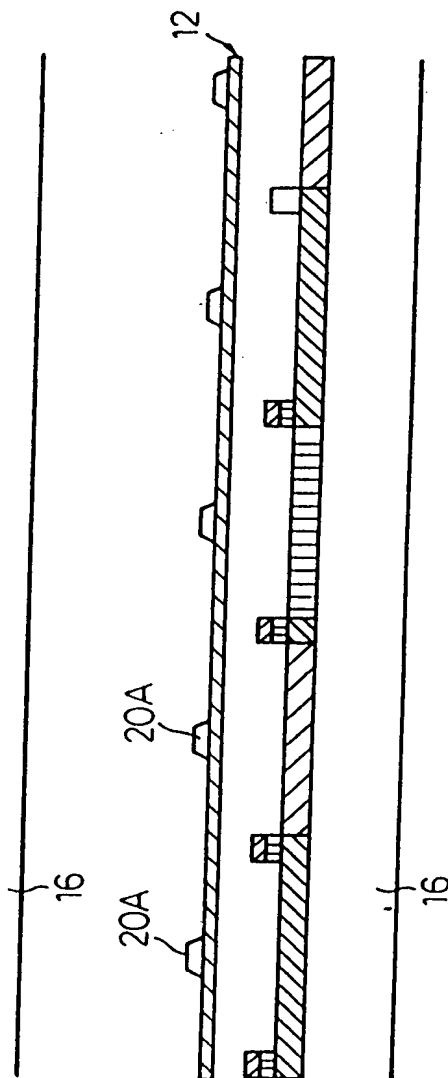
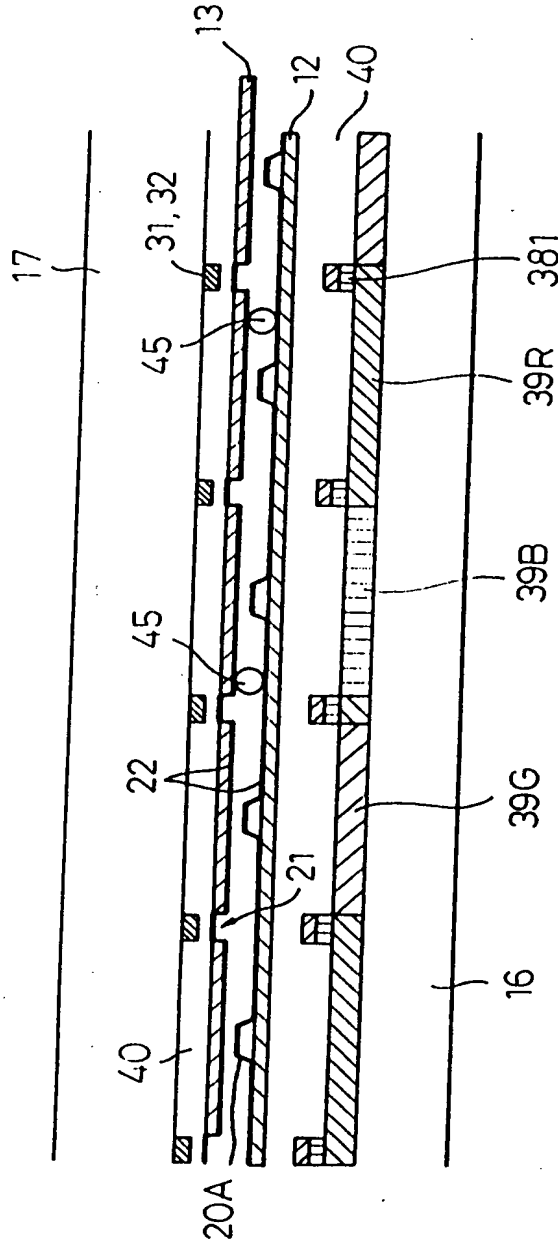


Fig. 185C

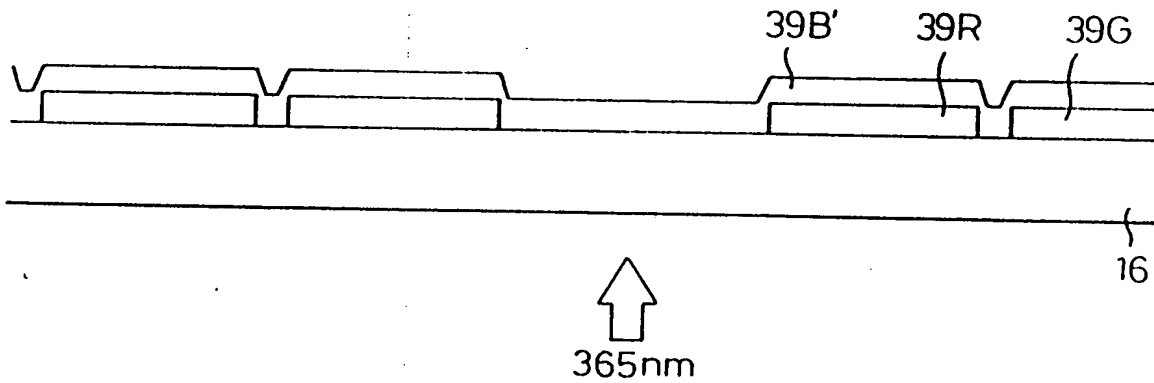
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Fig. 186



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Fig.187







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Fig. 189

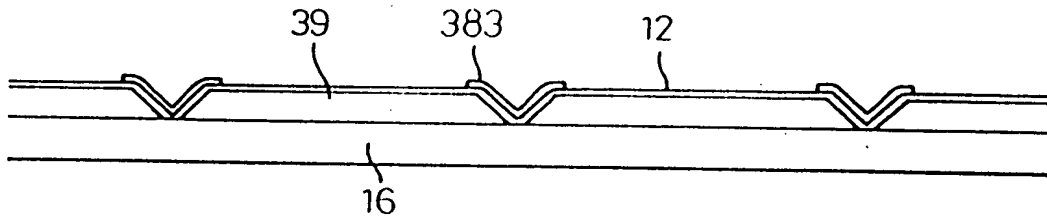


Fig. 190A

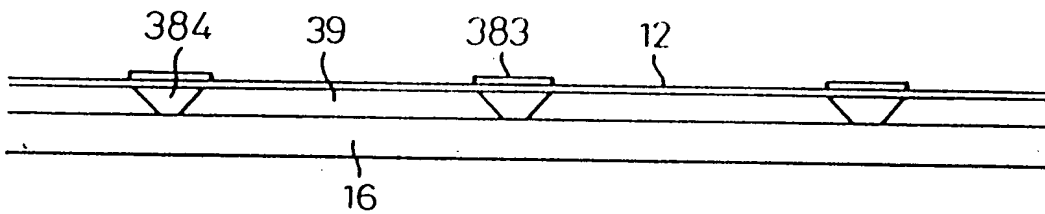
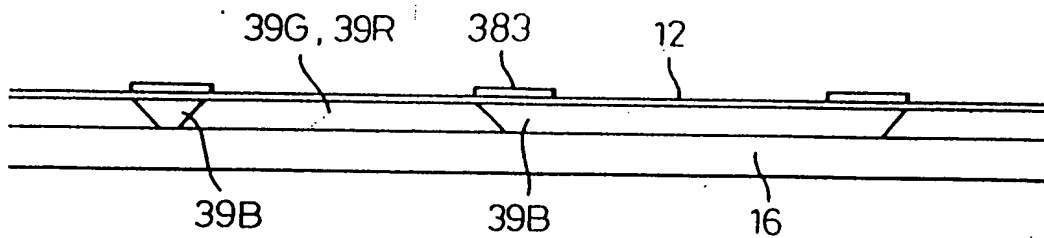


Fig. 190B



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Fig. 191

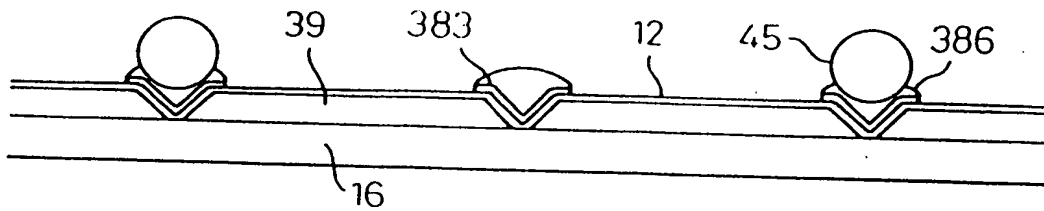


Fig. 192

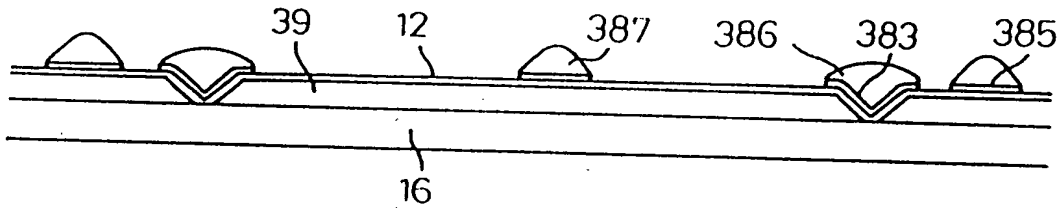
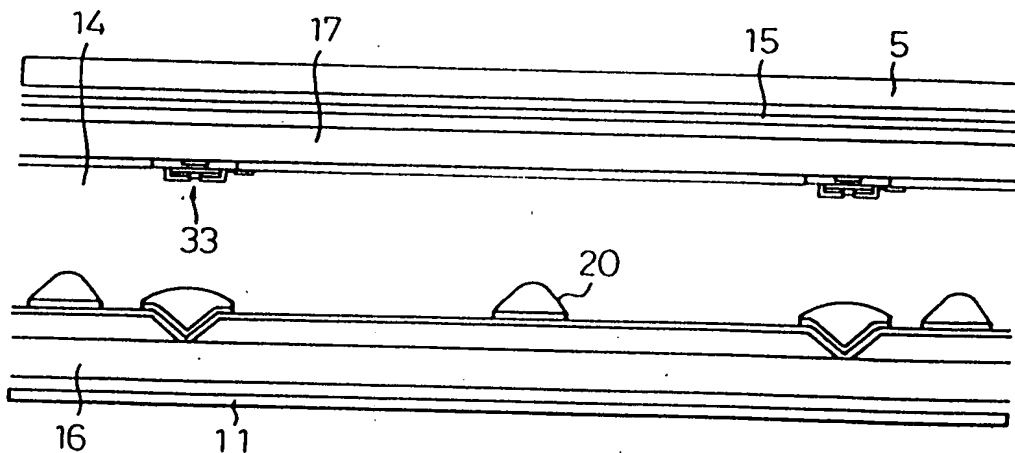


Fig. 193



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Fig. 194

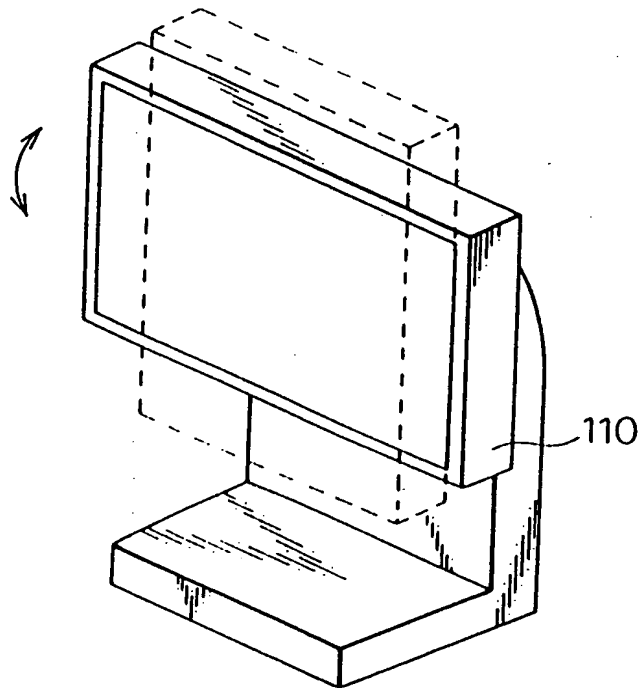
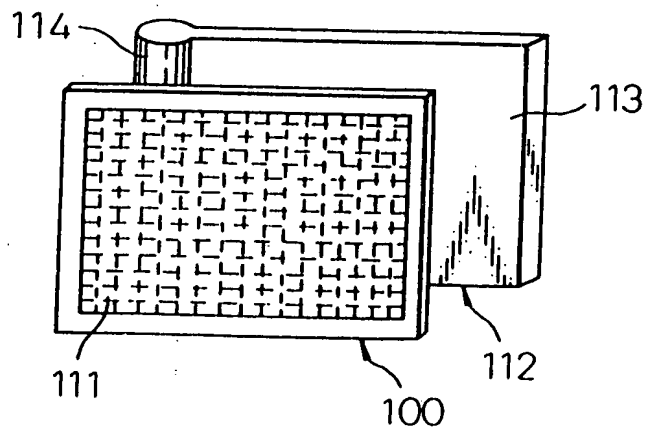


Fig. 195



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Fig. 196A

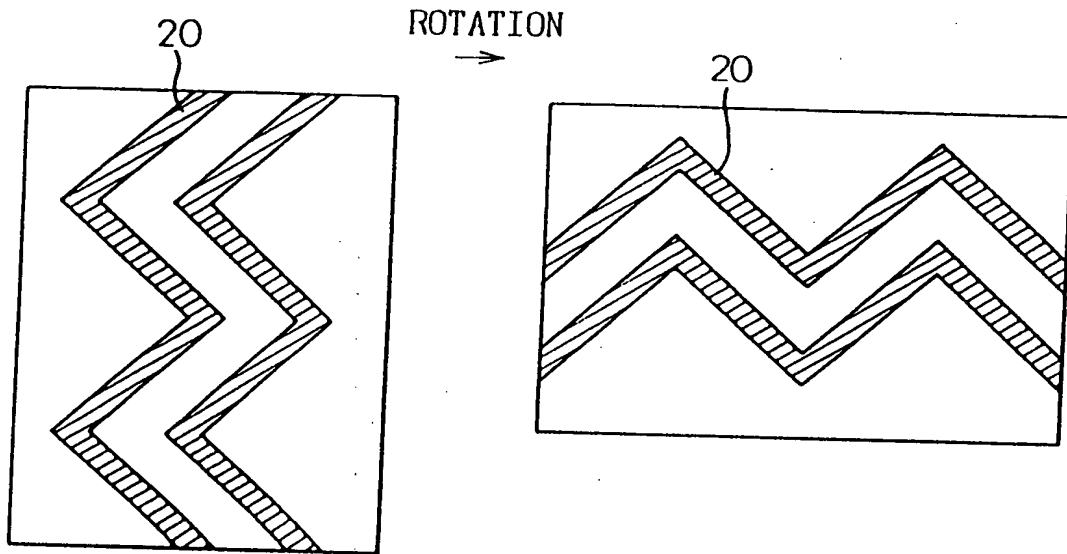
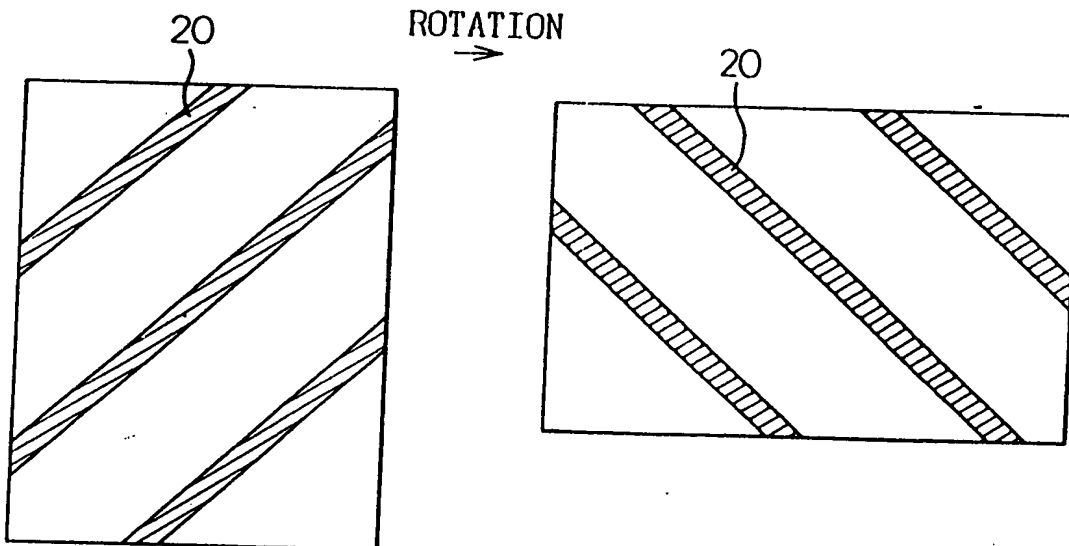
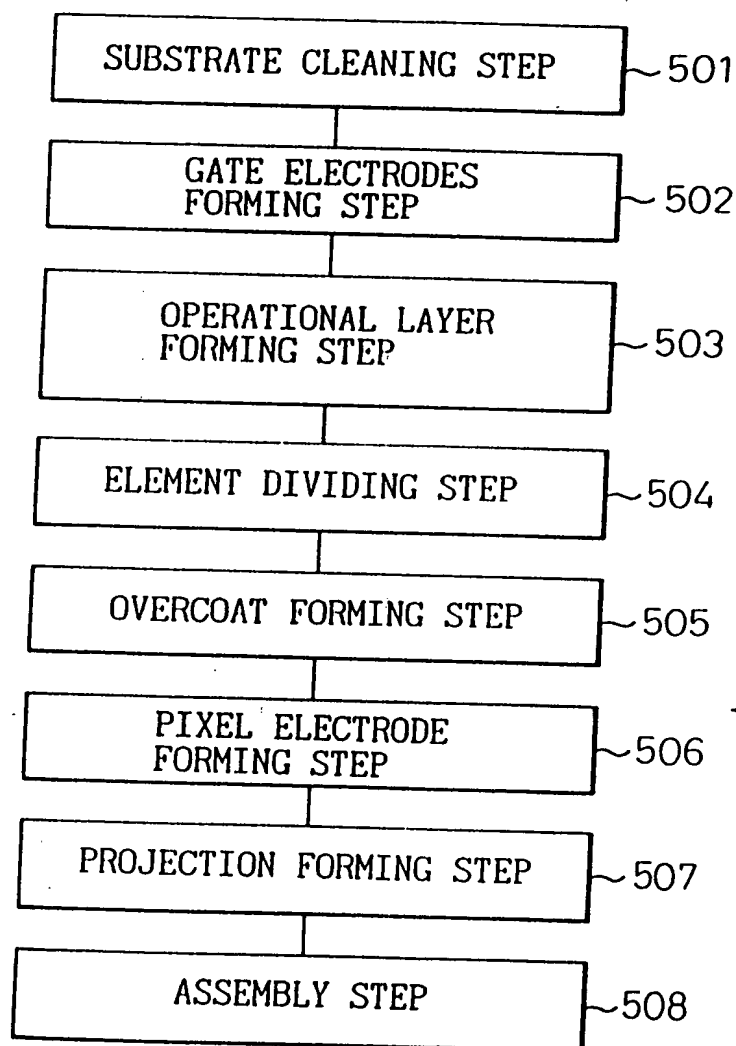


Fig. 196B



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Fig.197



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Fig. 198

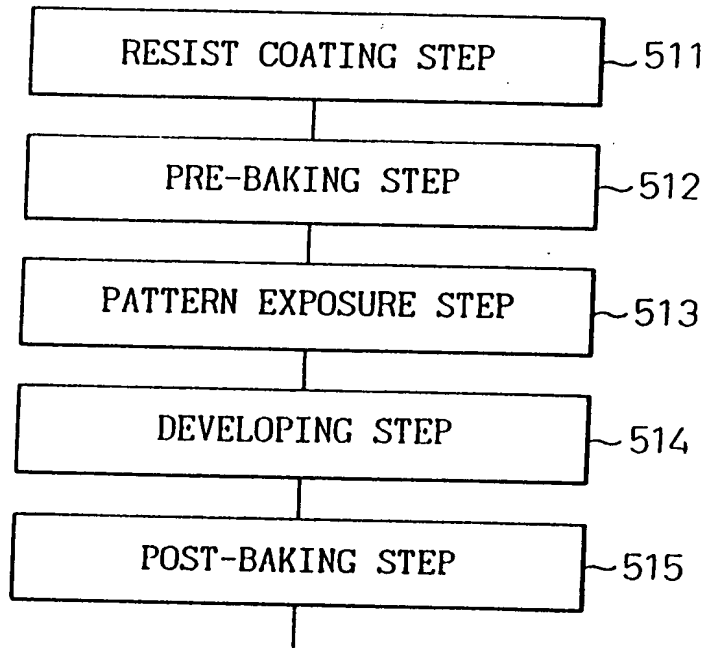
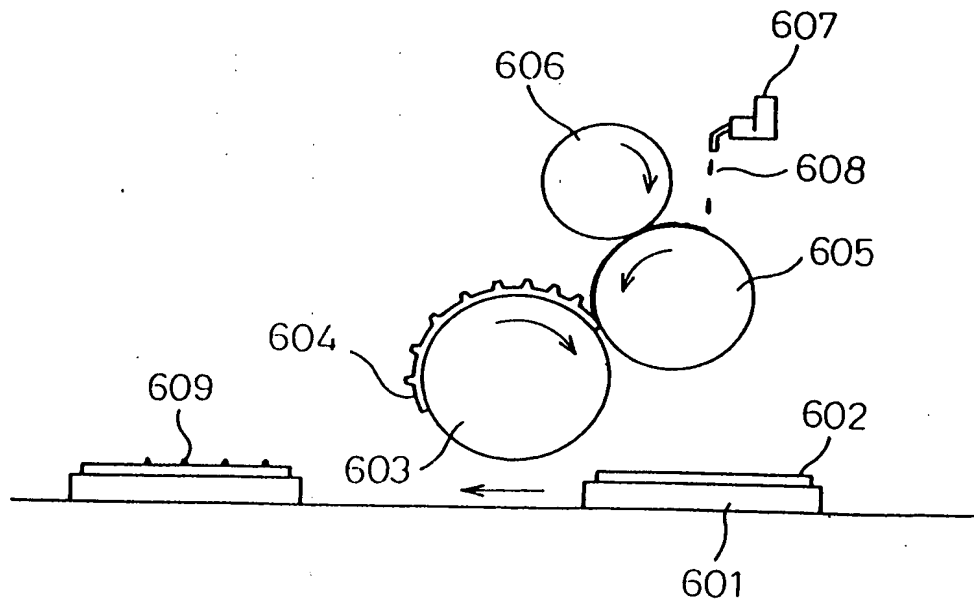
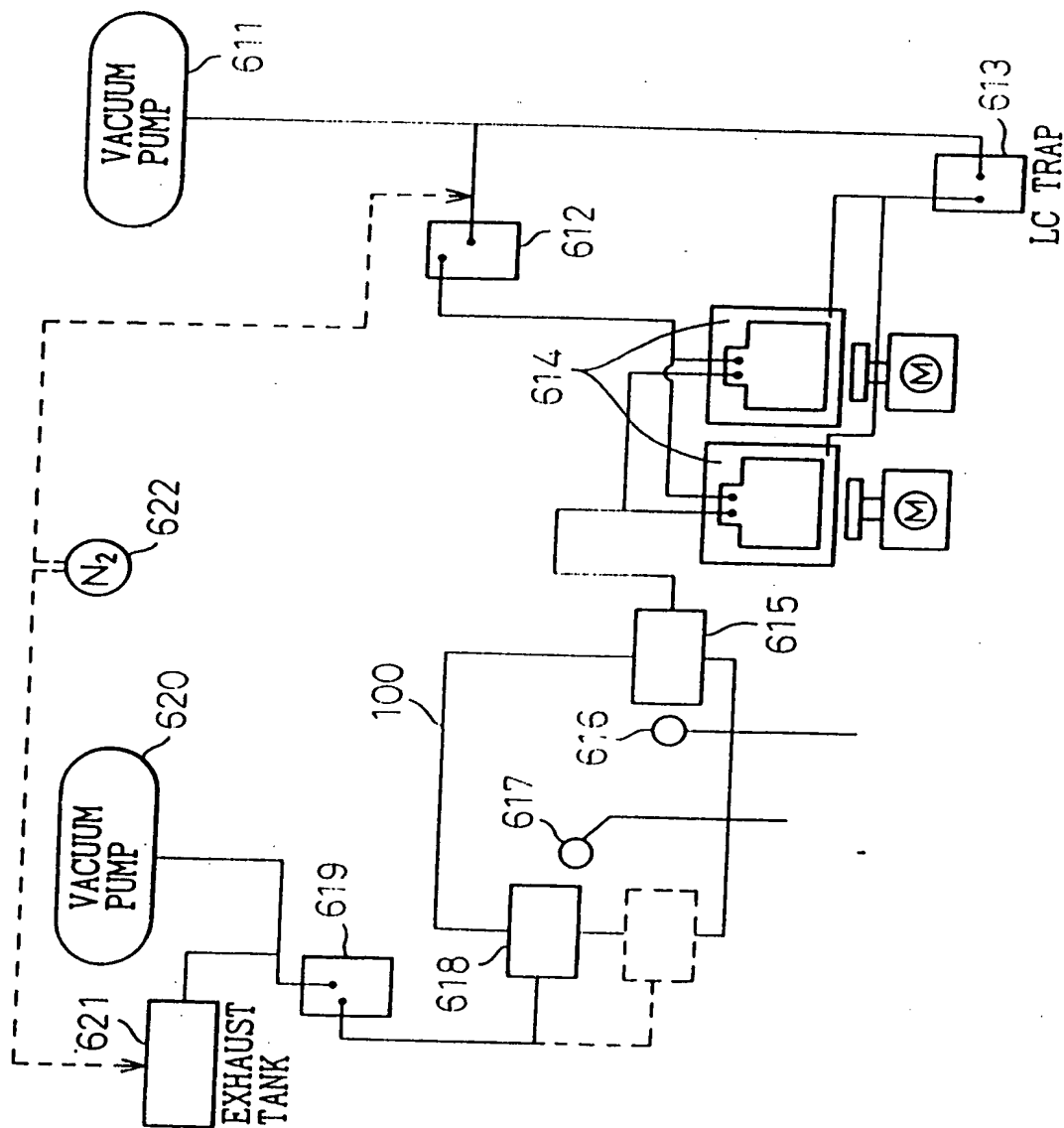


Fig. 199



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Fig. 200



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Fig. 201A

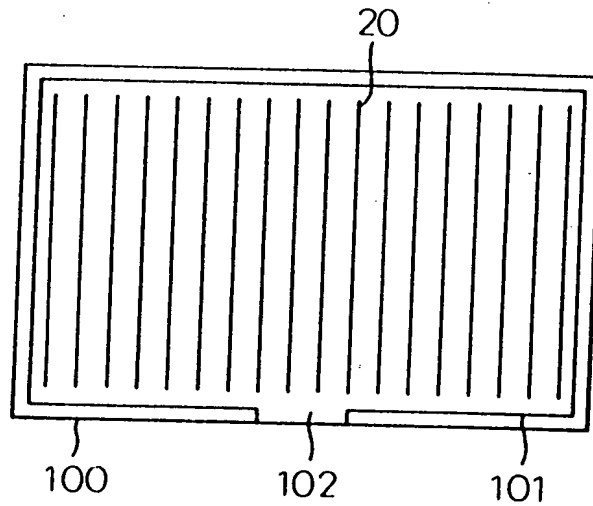
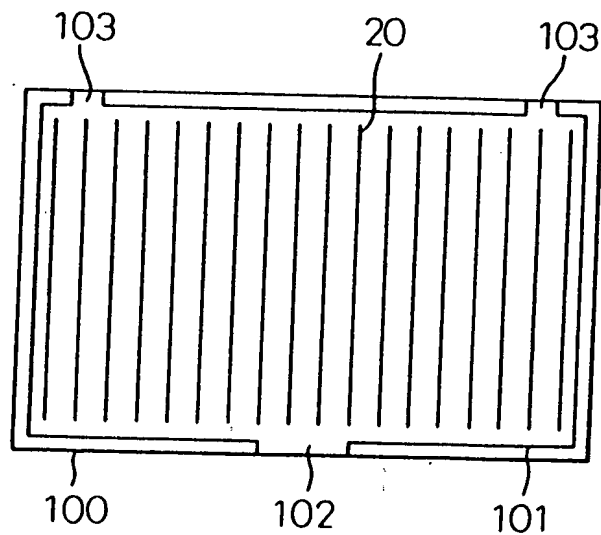


Fig. 201B





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Fig. 202A

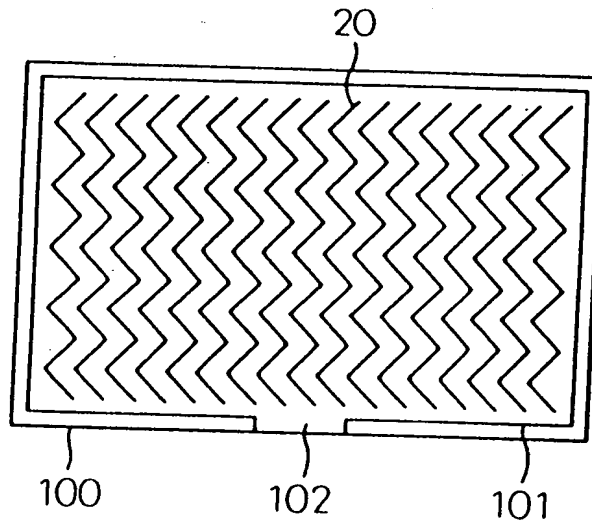
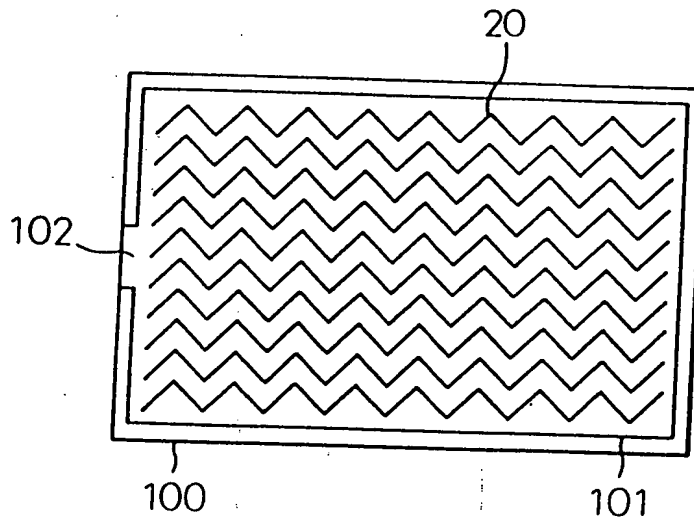


Fig. 202B



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Fig. 203A

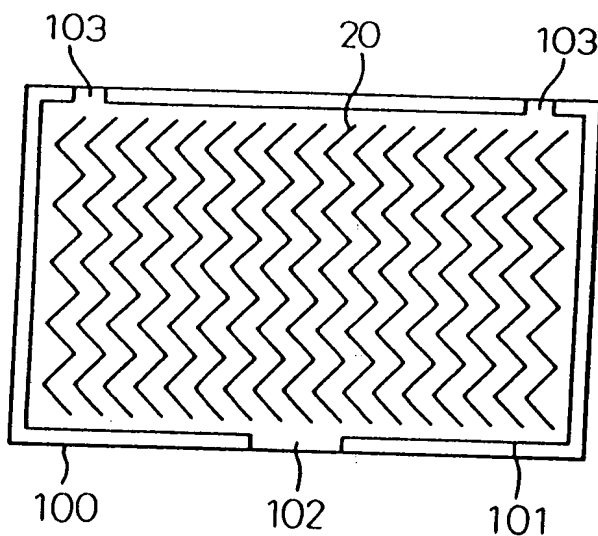
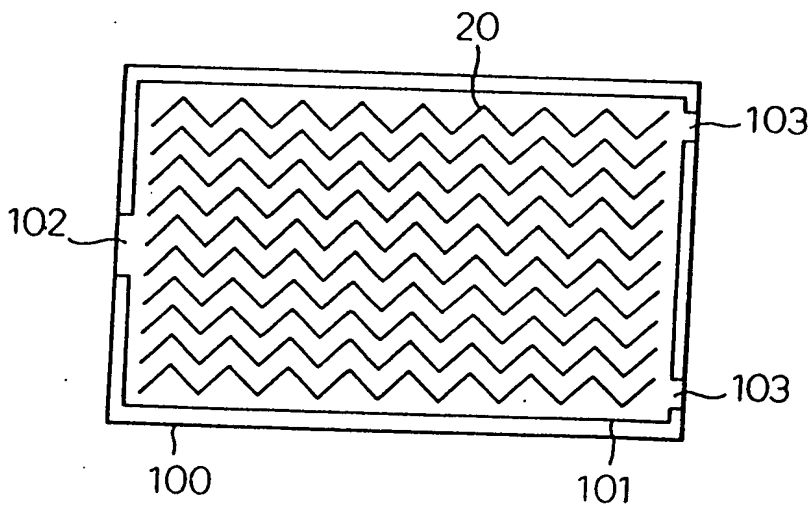
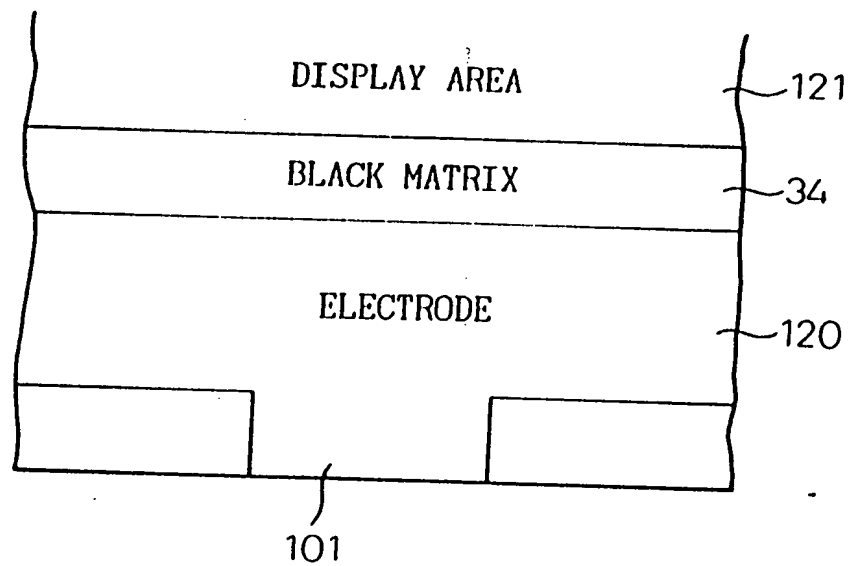


Fig. 203B



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Fig. 204



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Fig. 205A

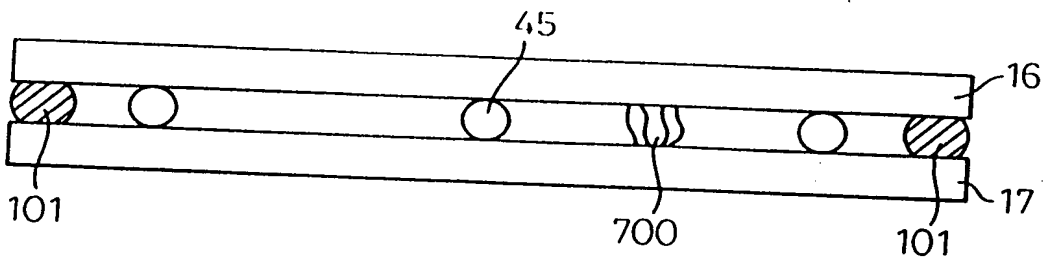


Fig. 205B

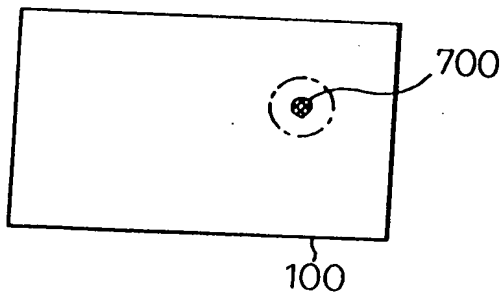
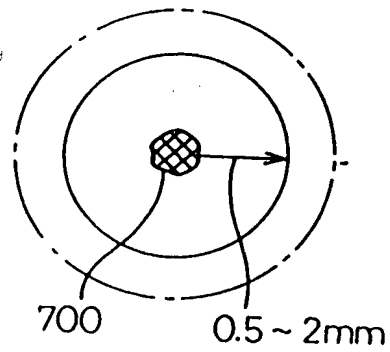
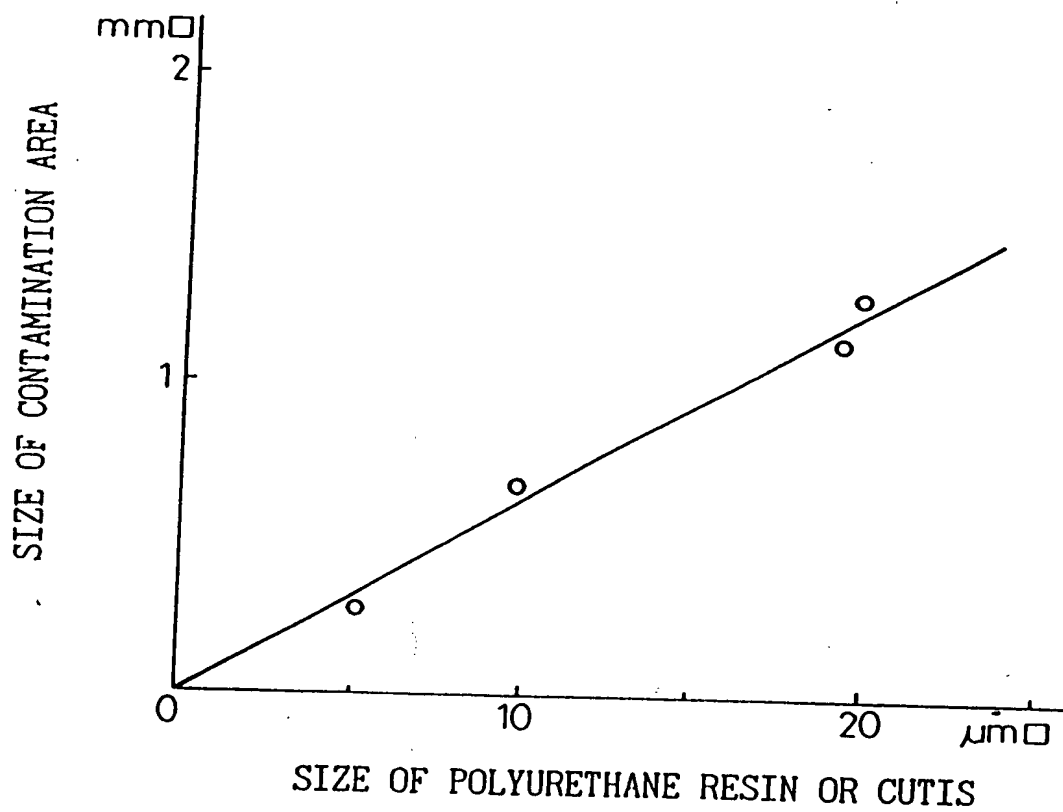


Fig. 205C



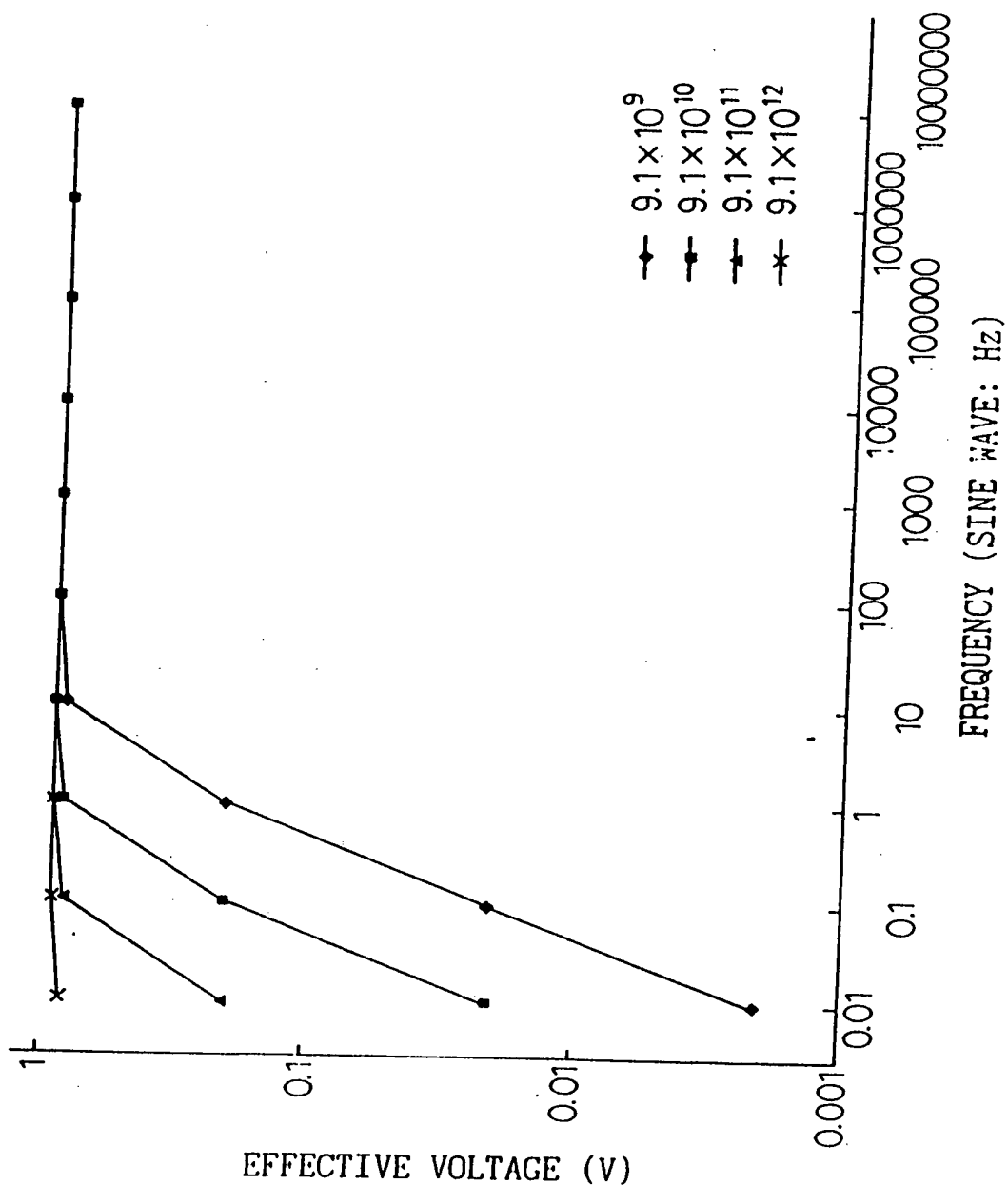
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Fig. 206



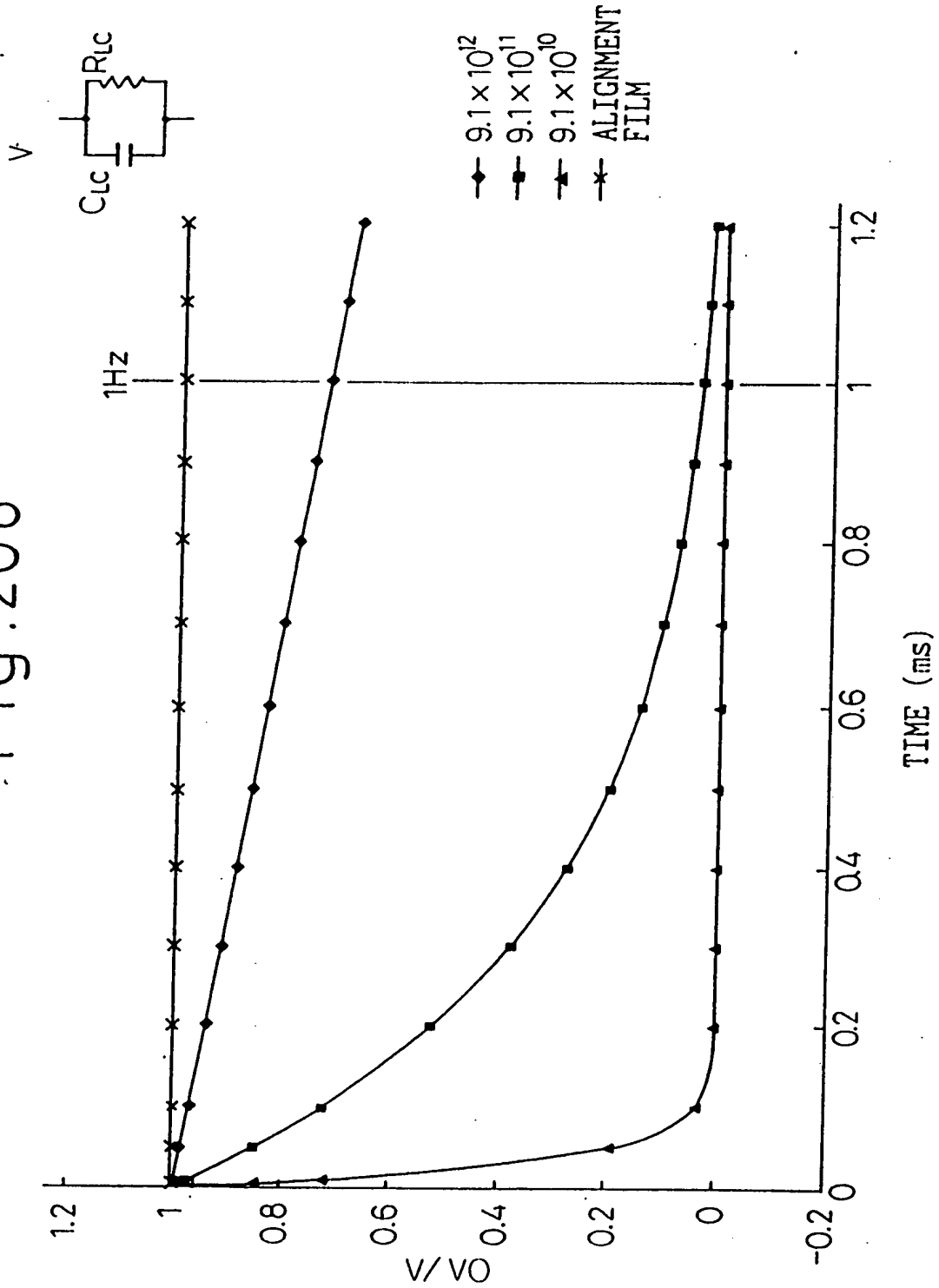
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Fig. 207



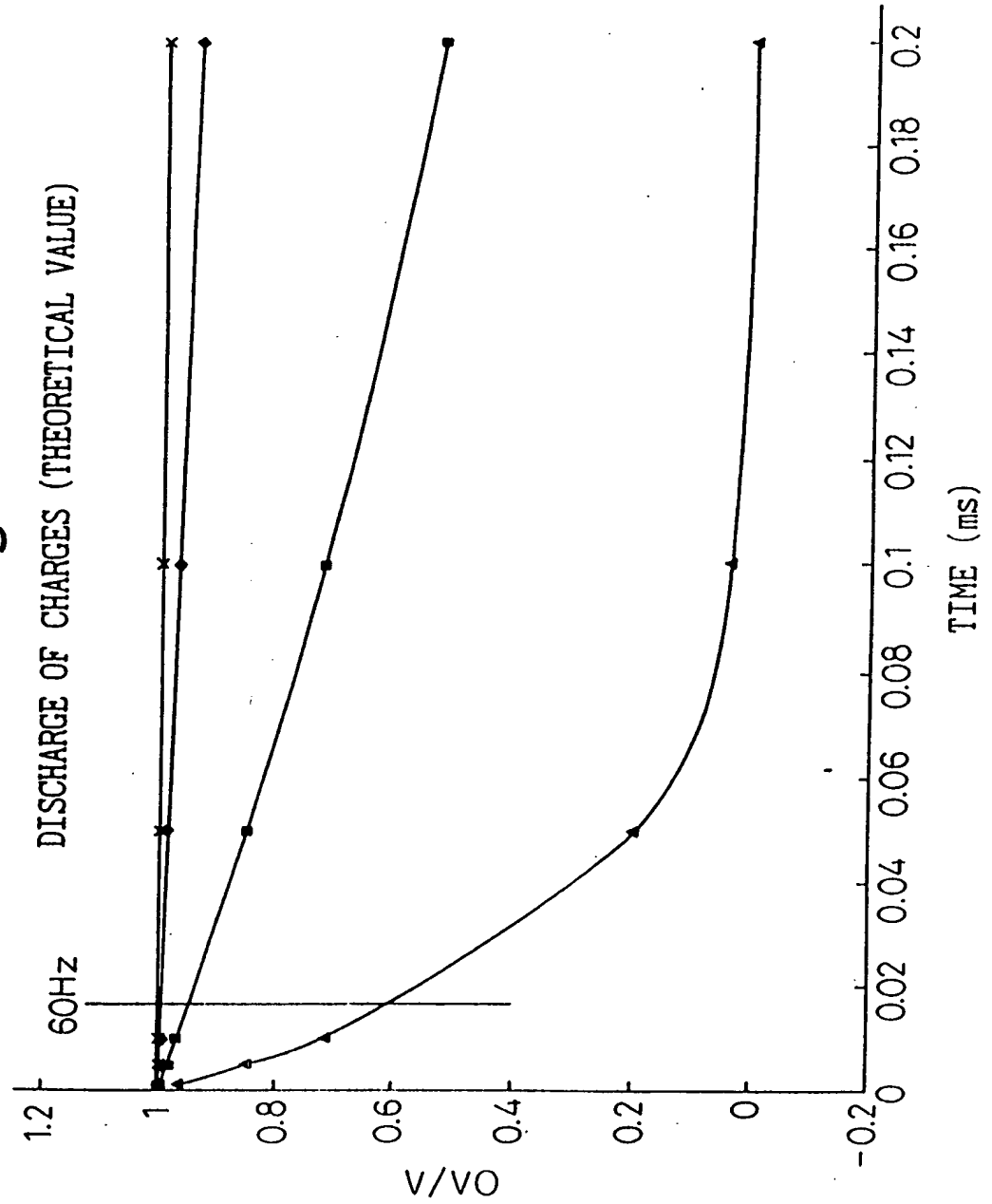
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Fig. 208



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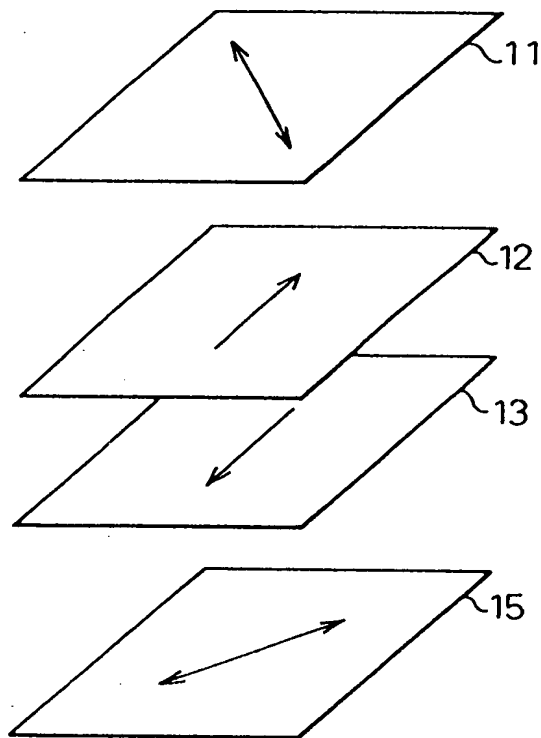
Fig. 209





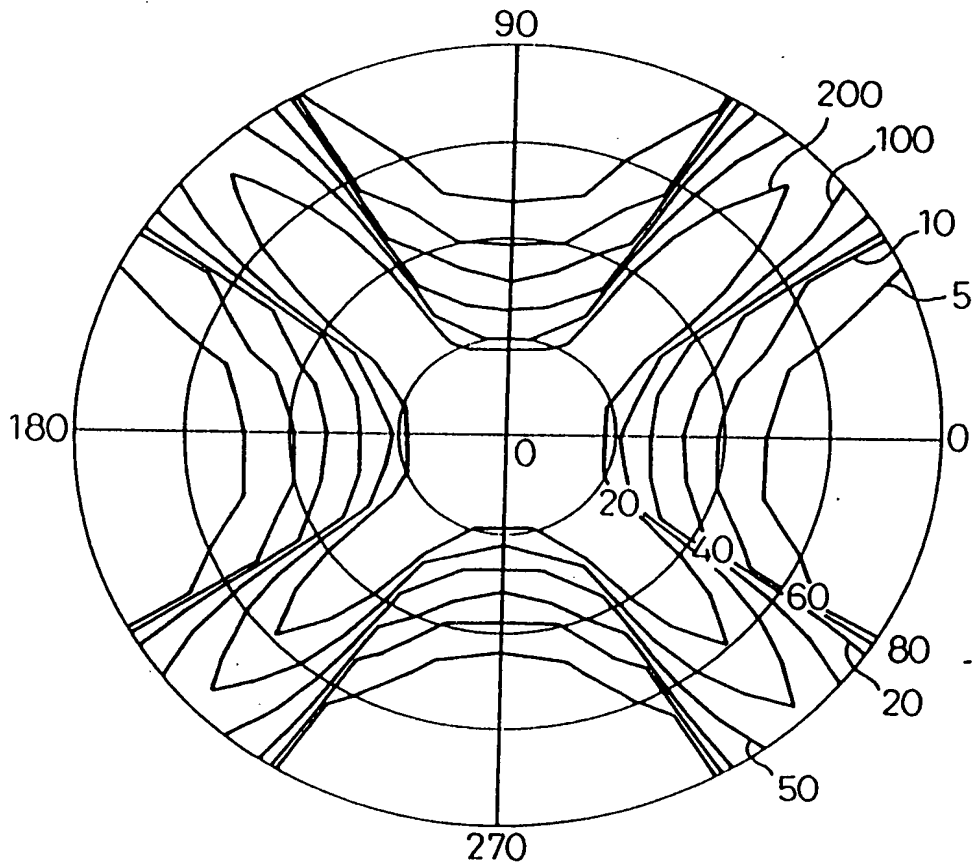
201/246

Fig. 210



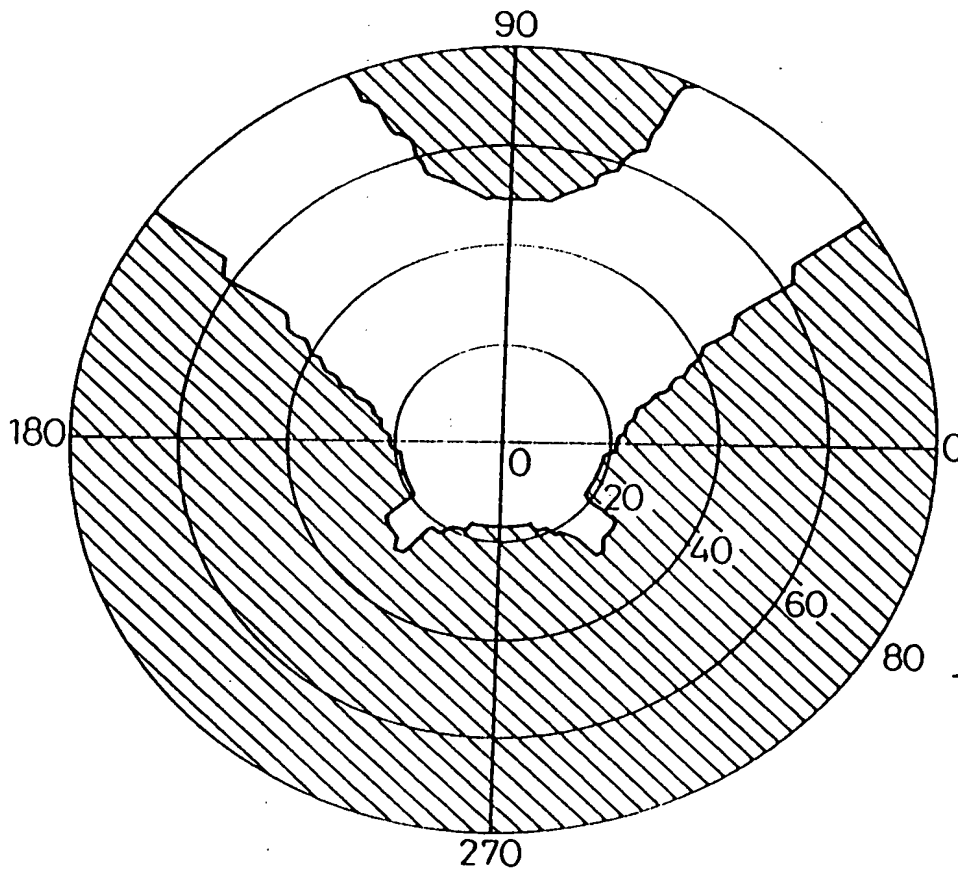
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Fig. 211



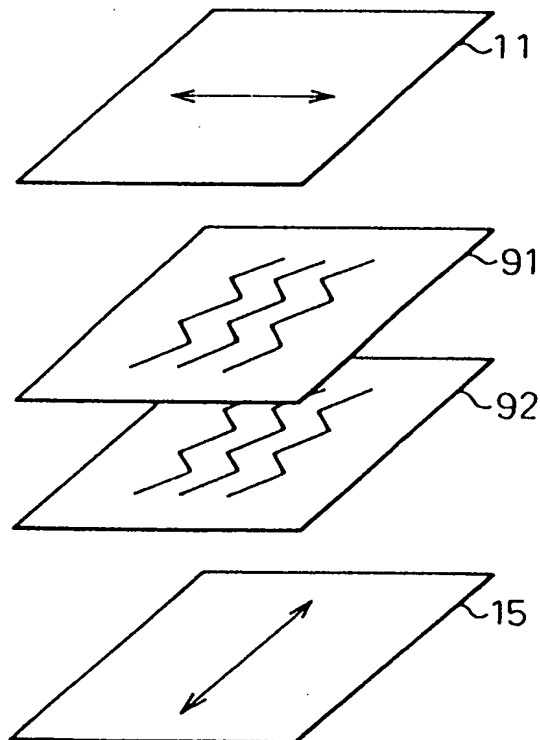
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Fig. 212



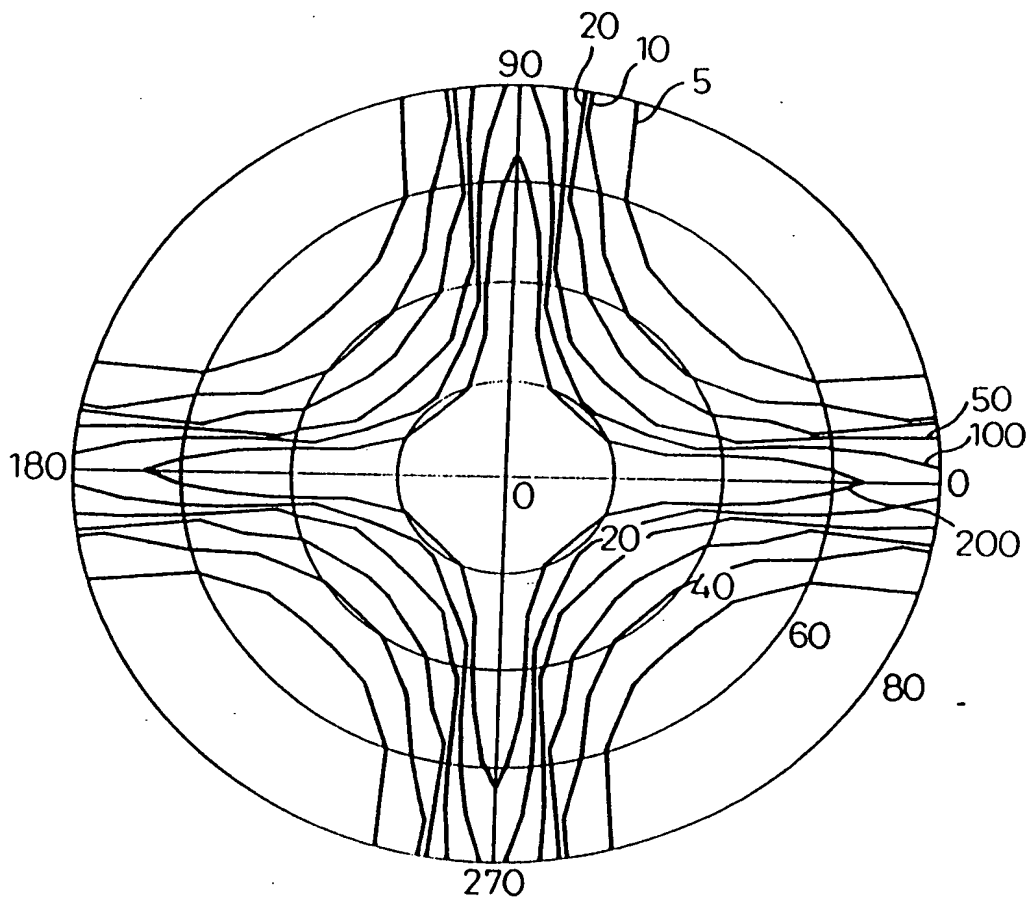
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Fig. 213



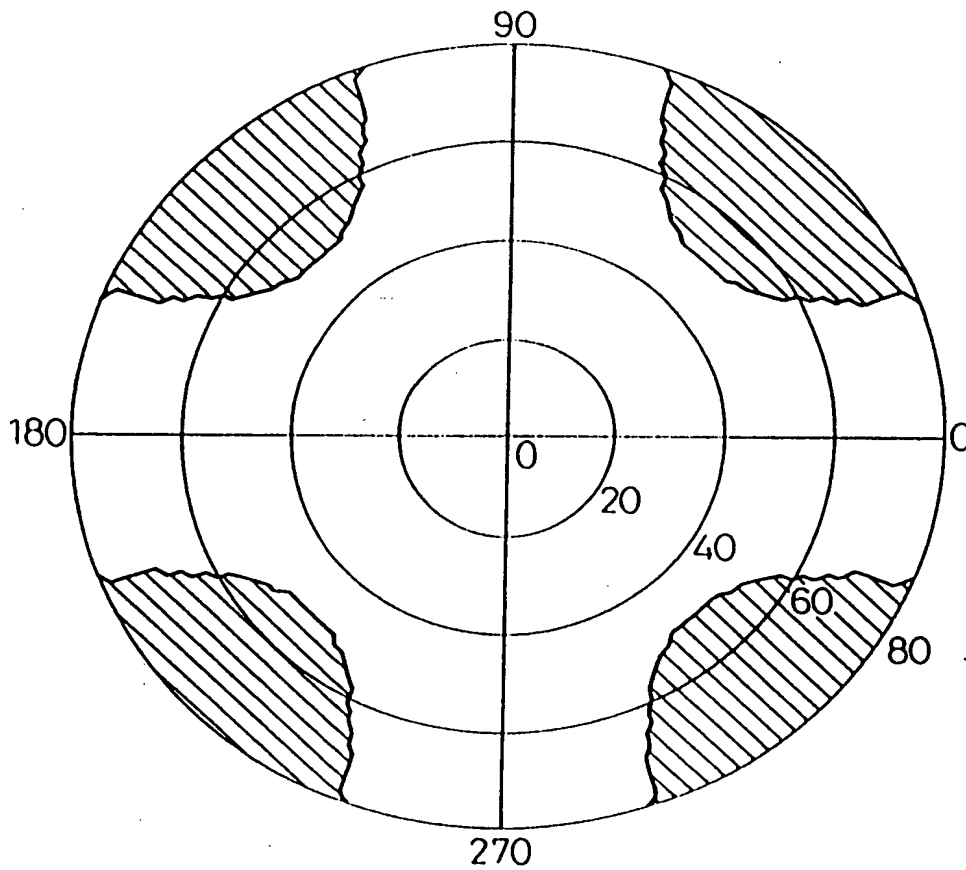
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Fig. 214



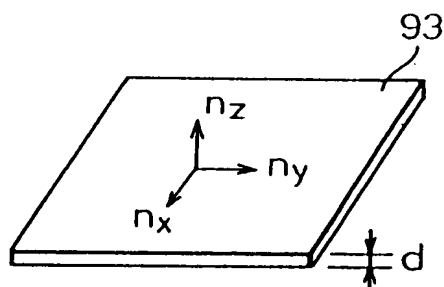
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Fig. 215



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Fig.216



GENERAL CONDITION

$$n_x, n_y \geq n_z$$

POSITIVE UNIAXIAL FILM

$$n_x > n_y = n_z$$

NEGATIVE UNIAXIAL FILM

$$n_x = n_y > n_z$$

BIAXIAL FILM  
 (A PHASE LAG AXIS IS X DIRECTION.)

$$n_x > n_y > n_z$$

RETARDATION IN  
 INPLANE DIRECTIONS

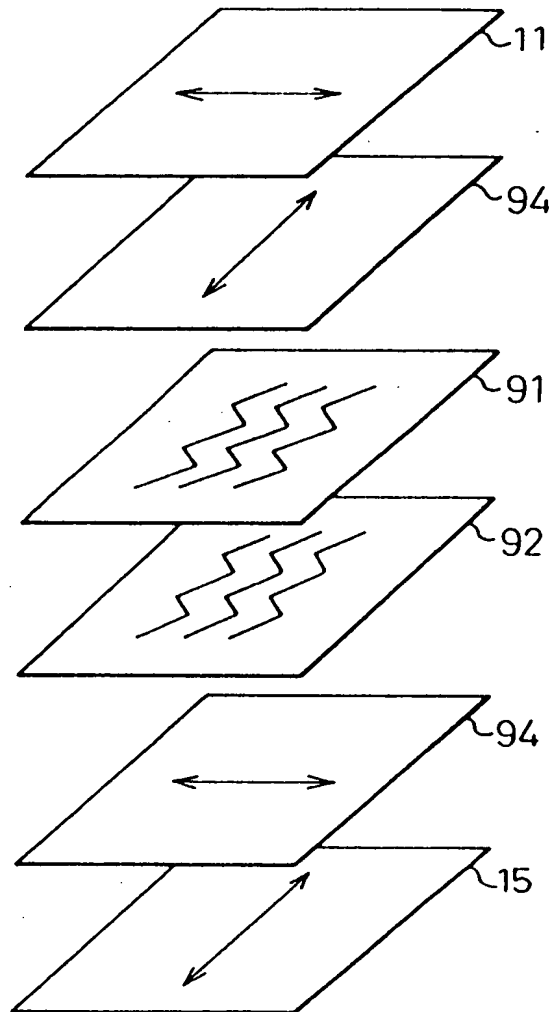
$$R = (n_x - n_y)d$$

RETARDATION OF  
 THICKNESS DIRECTION

$$R = \left( \frac{n_x + n_y}{2} - n_z \right) d$$

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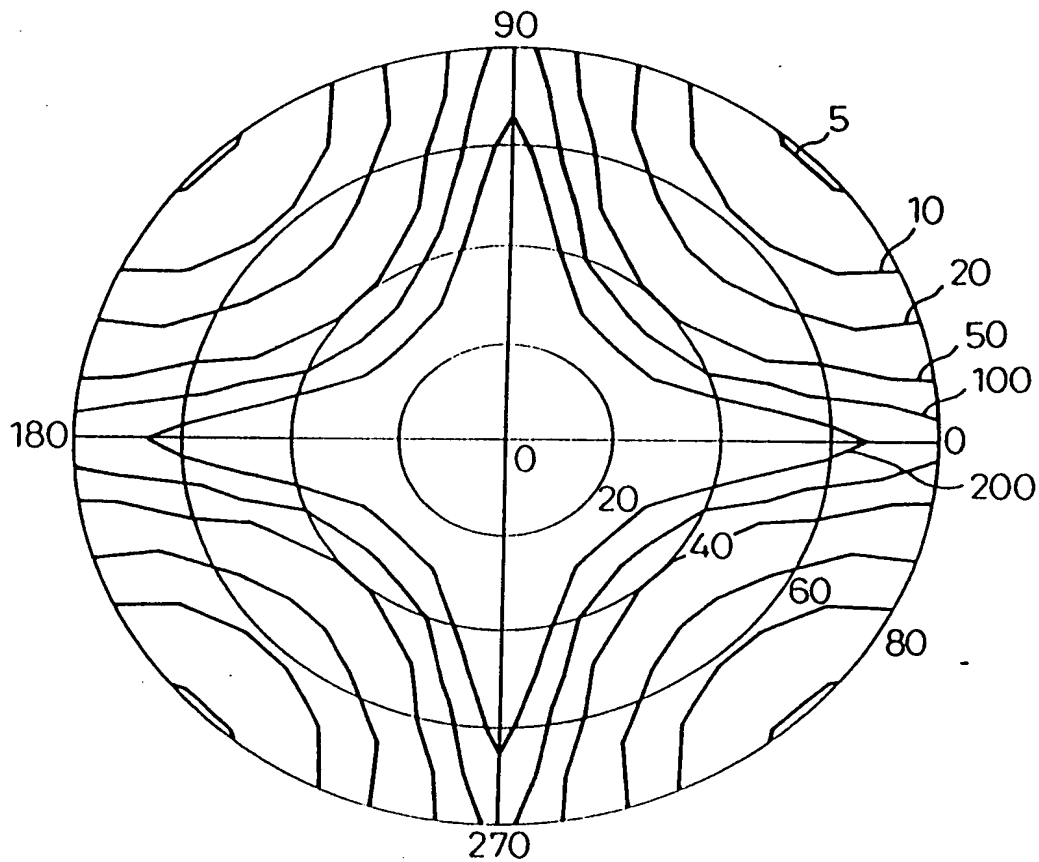
Fig. 217





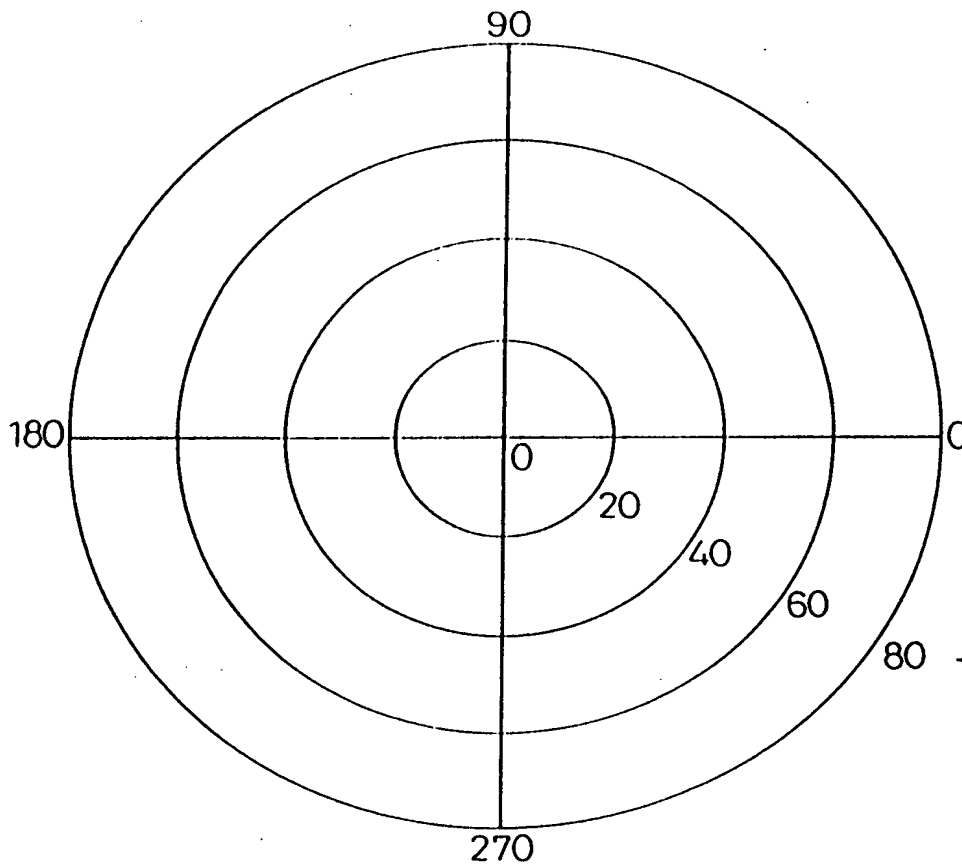
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Fig. 218



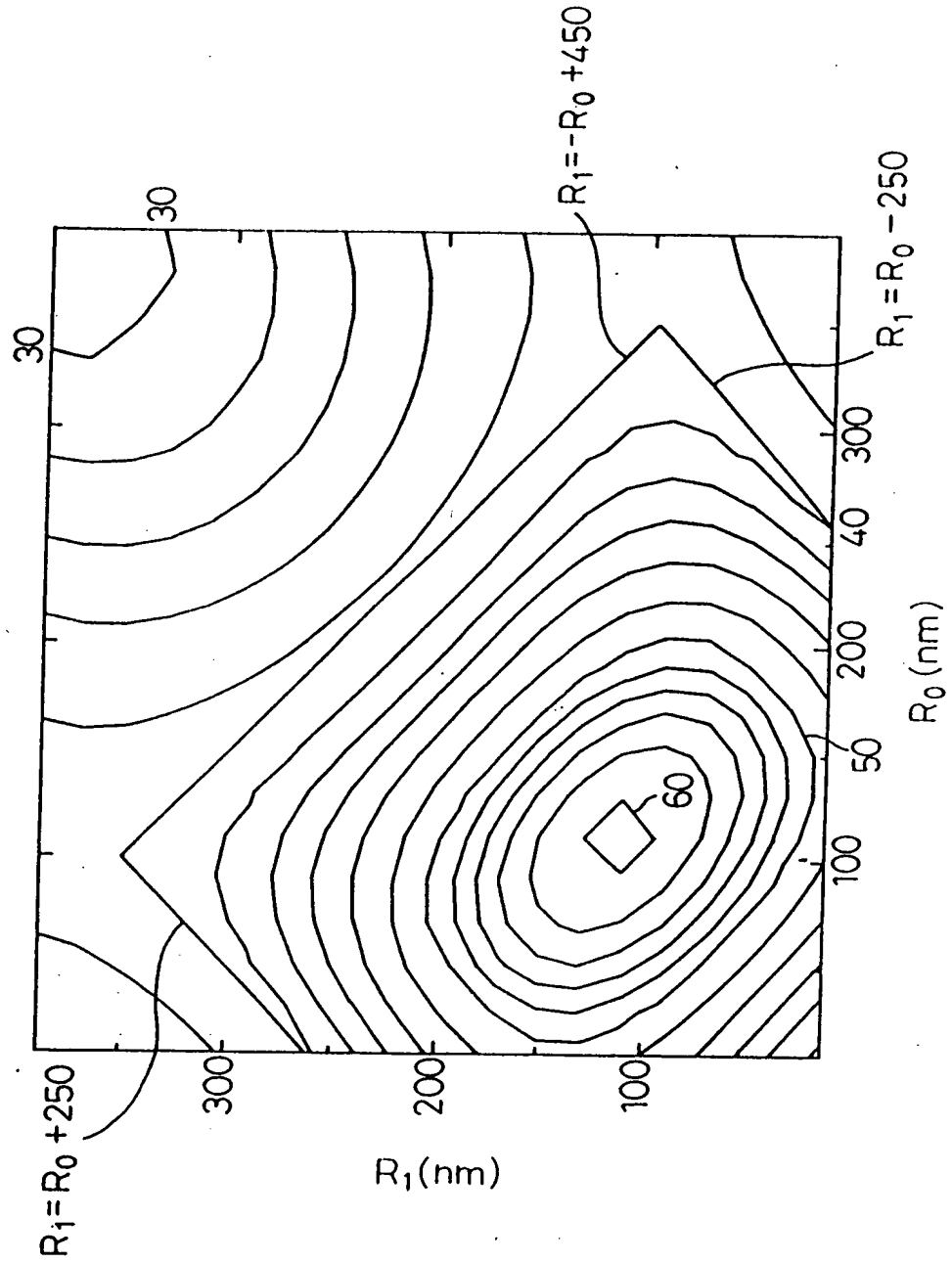
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Fig. 219



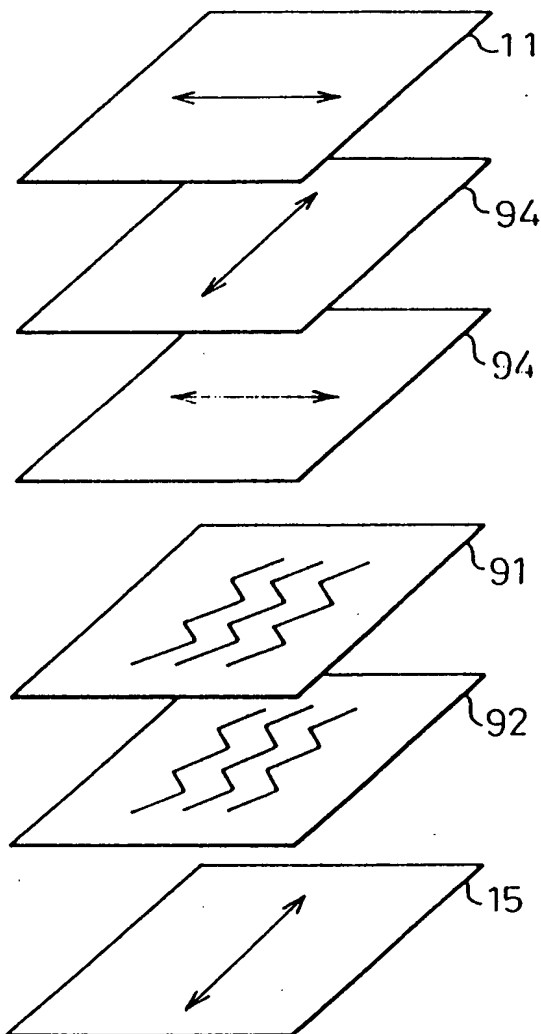
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Fig. 220



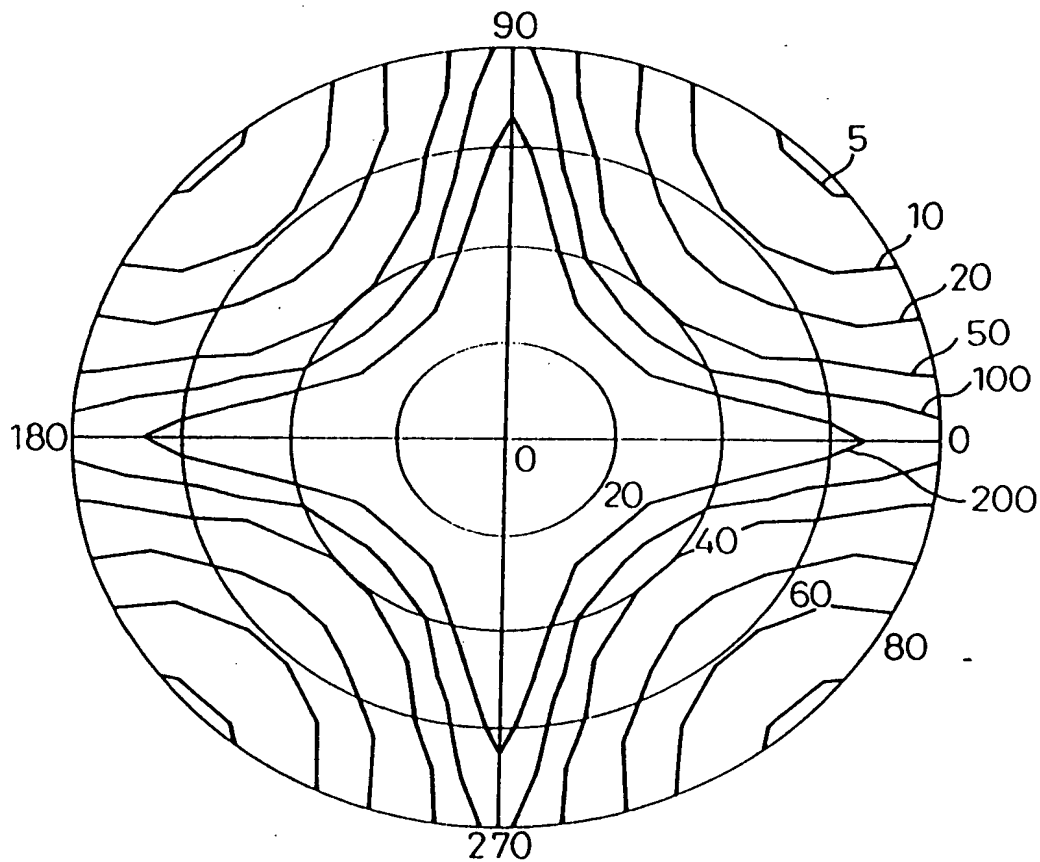
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246

Fig. 221



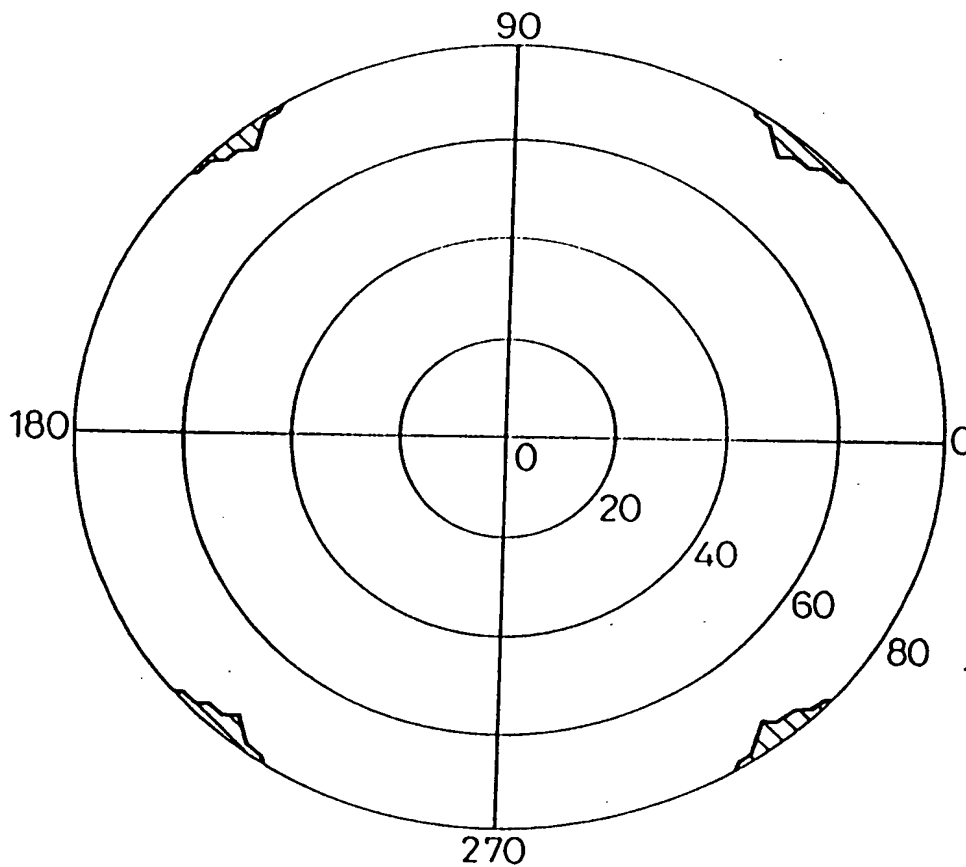
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Fig. 222



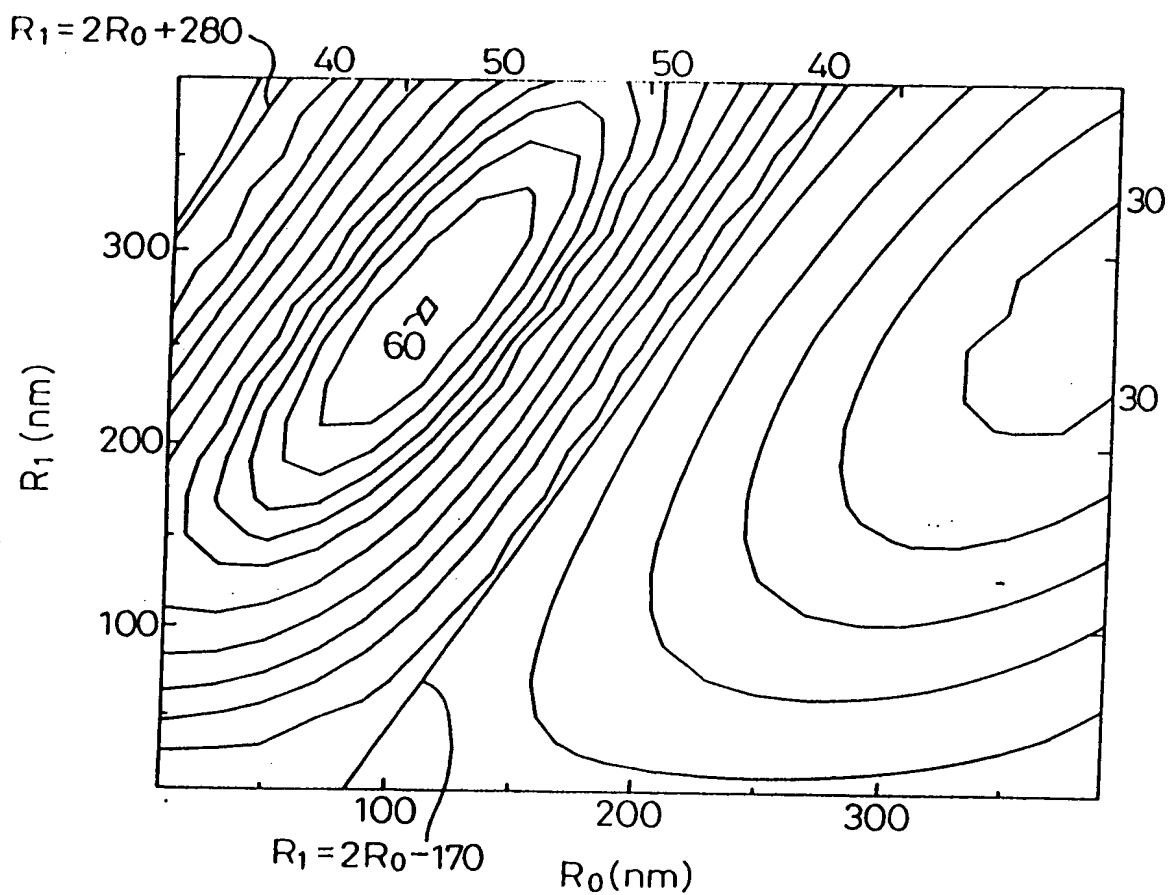
214/  
246

Fig. 223



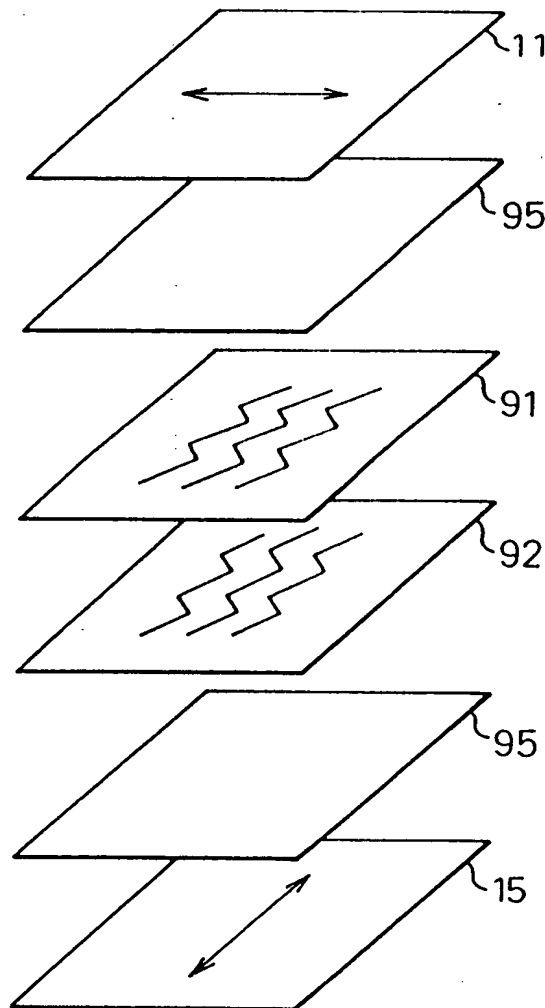
215/  
246

Fig. 224



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246

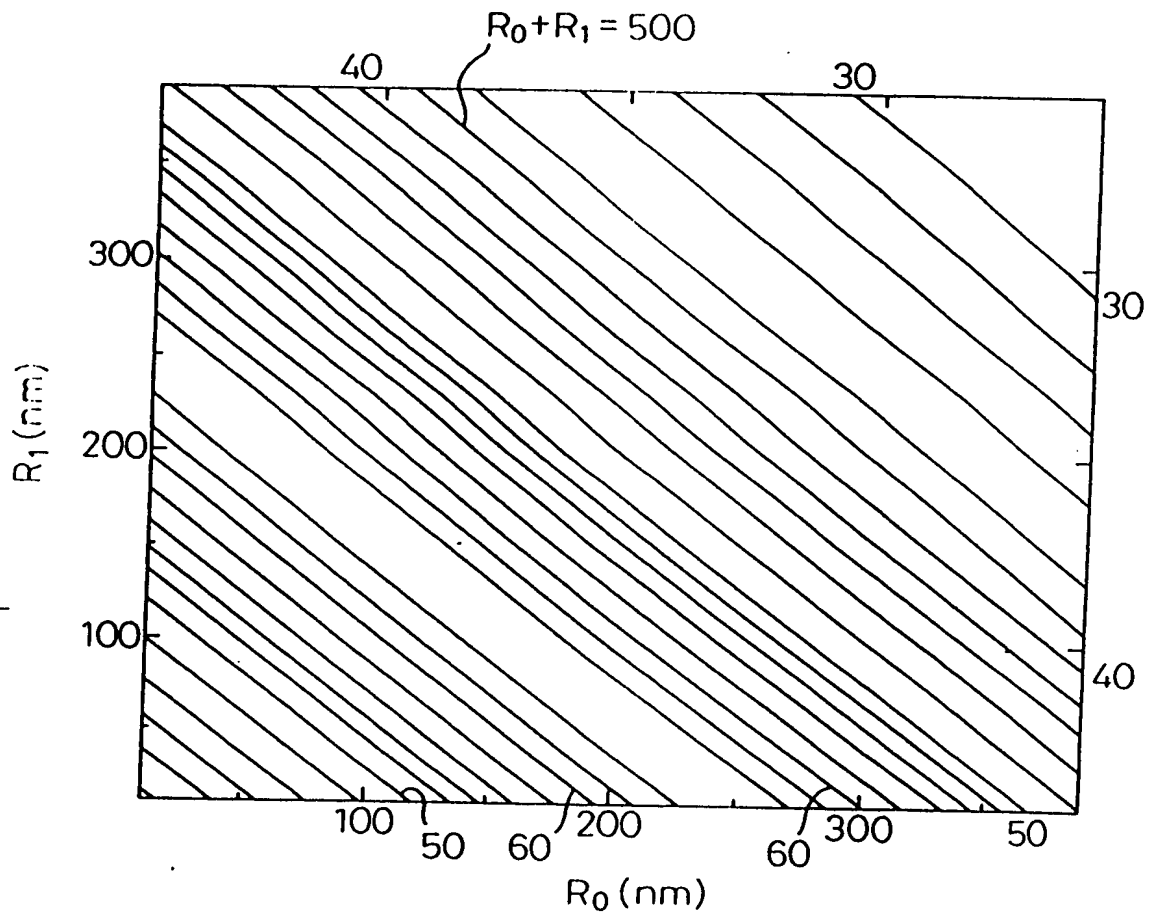
Fig. 225





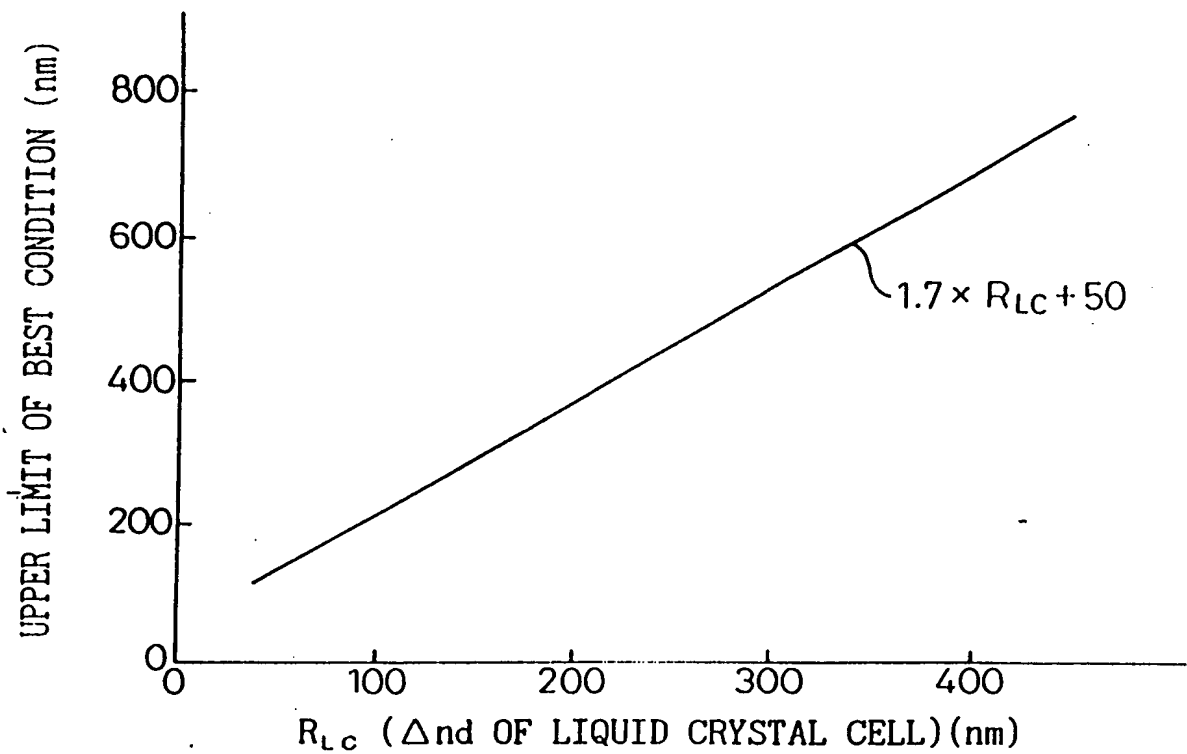
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Fig. 226



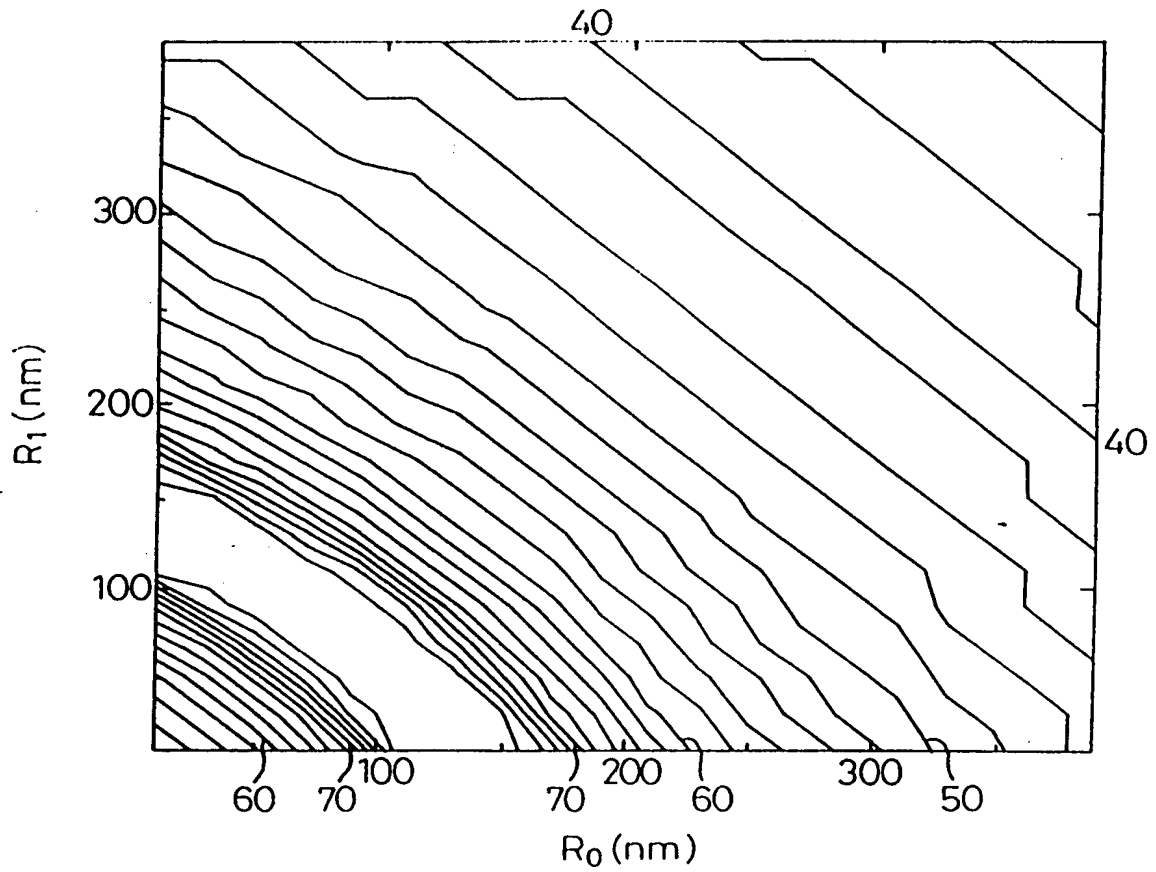
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Fig. 227



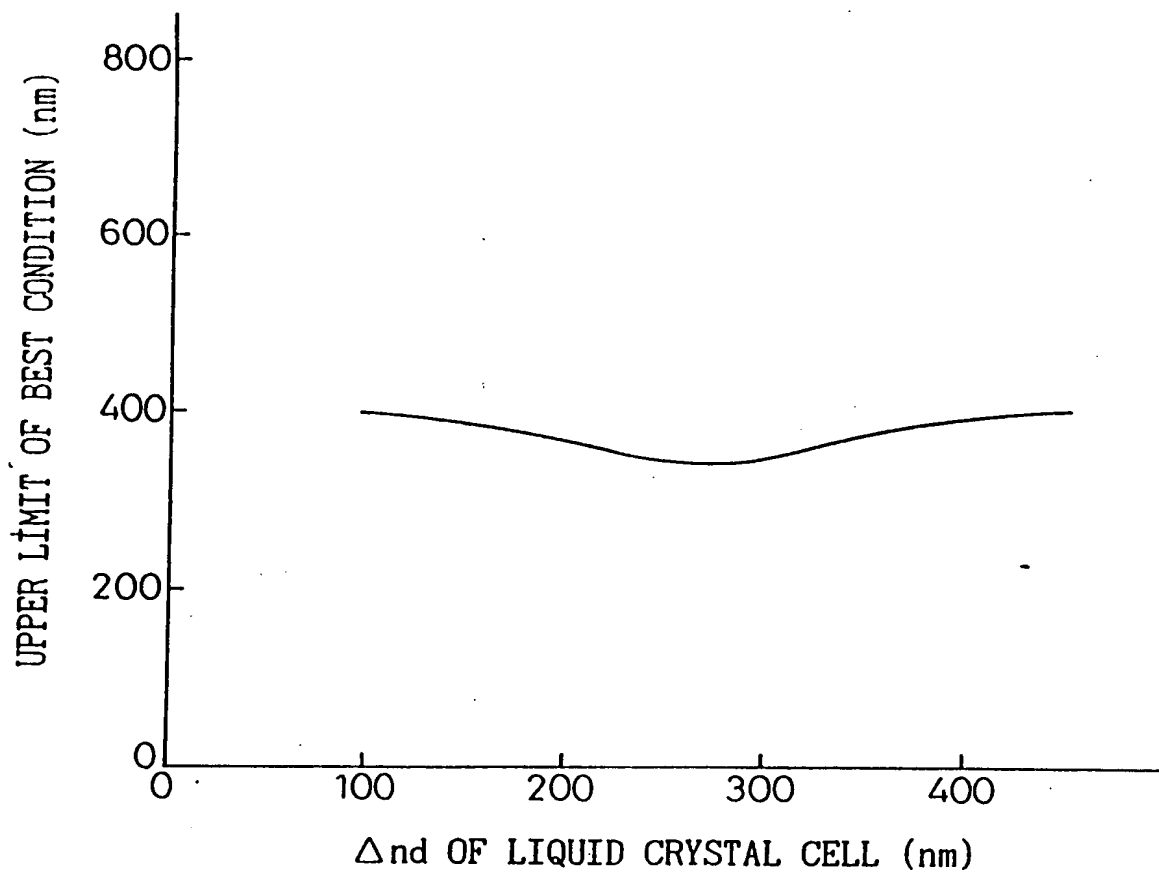
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Fig. 228



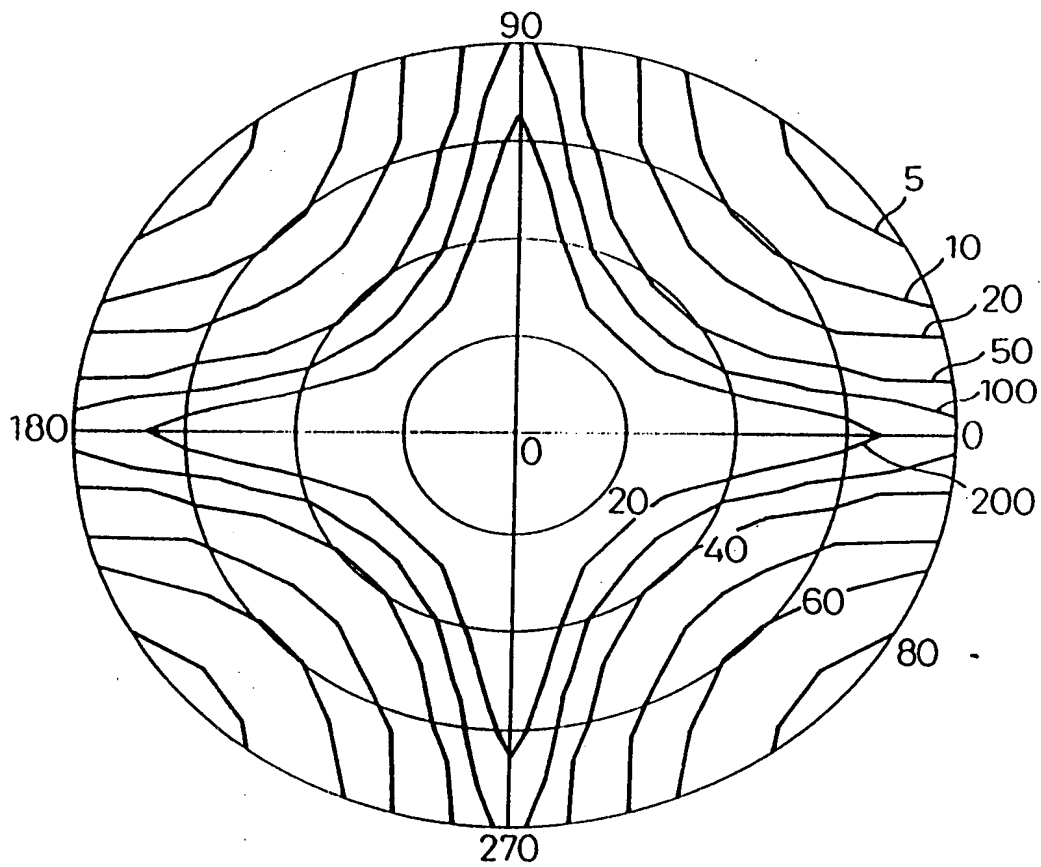
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Fig. 229



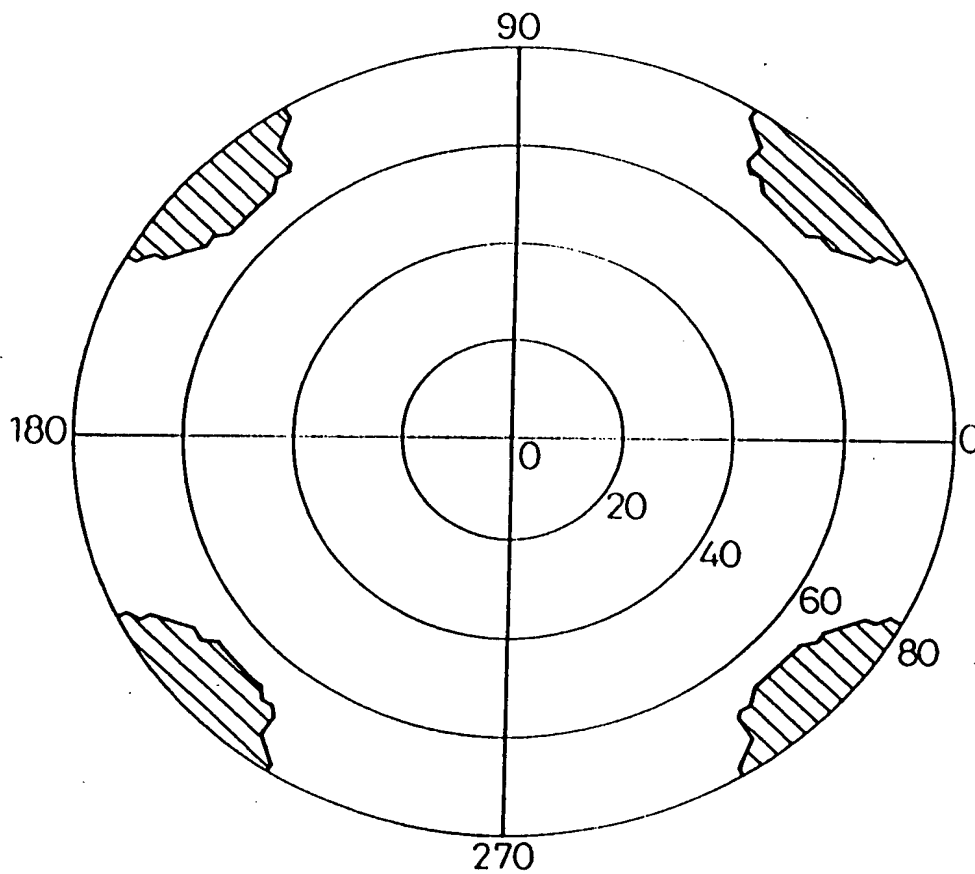
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Fig. 230



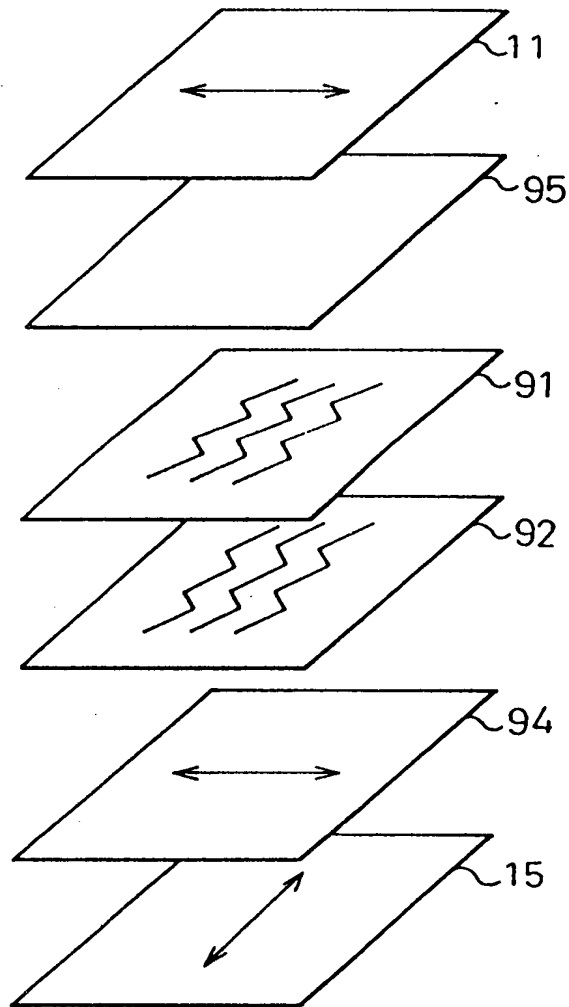
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Fig. 231



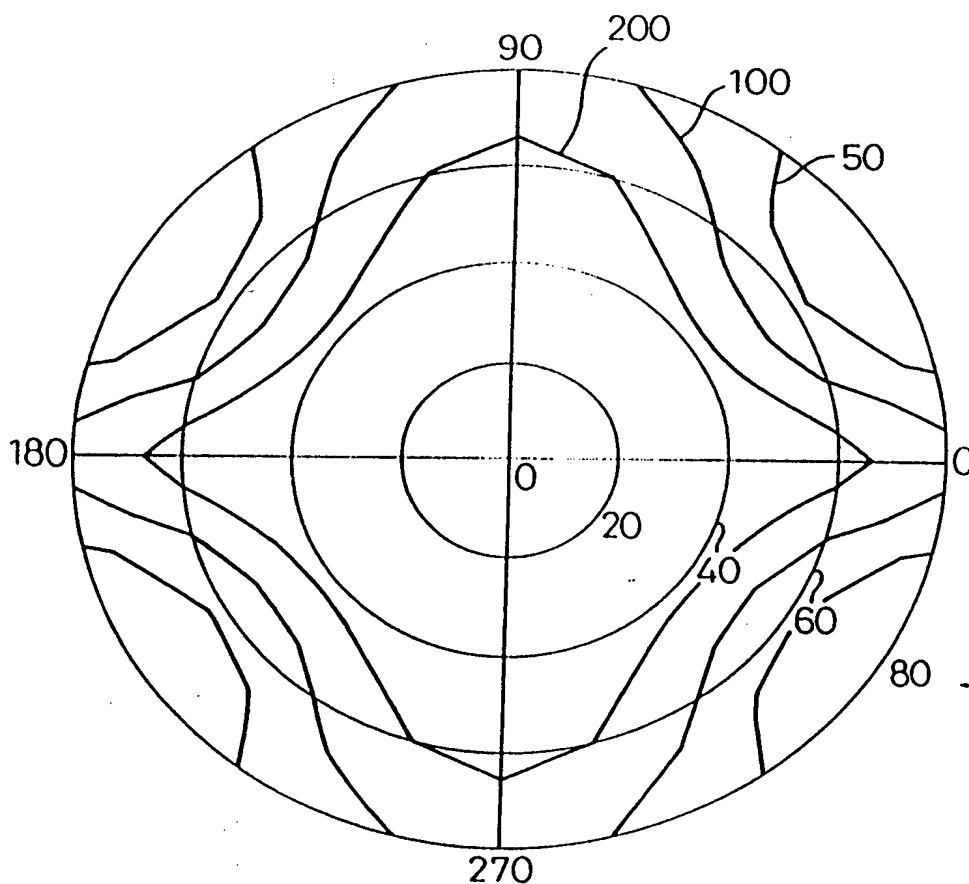
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Fig. 232



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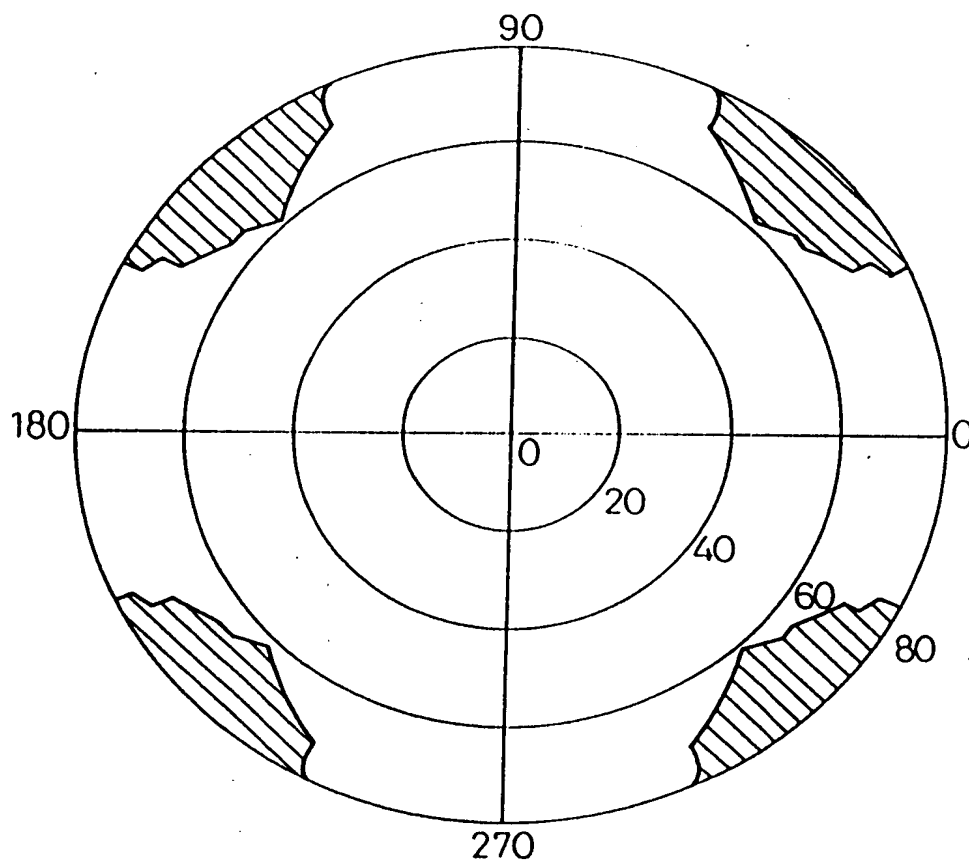
Fig. 233





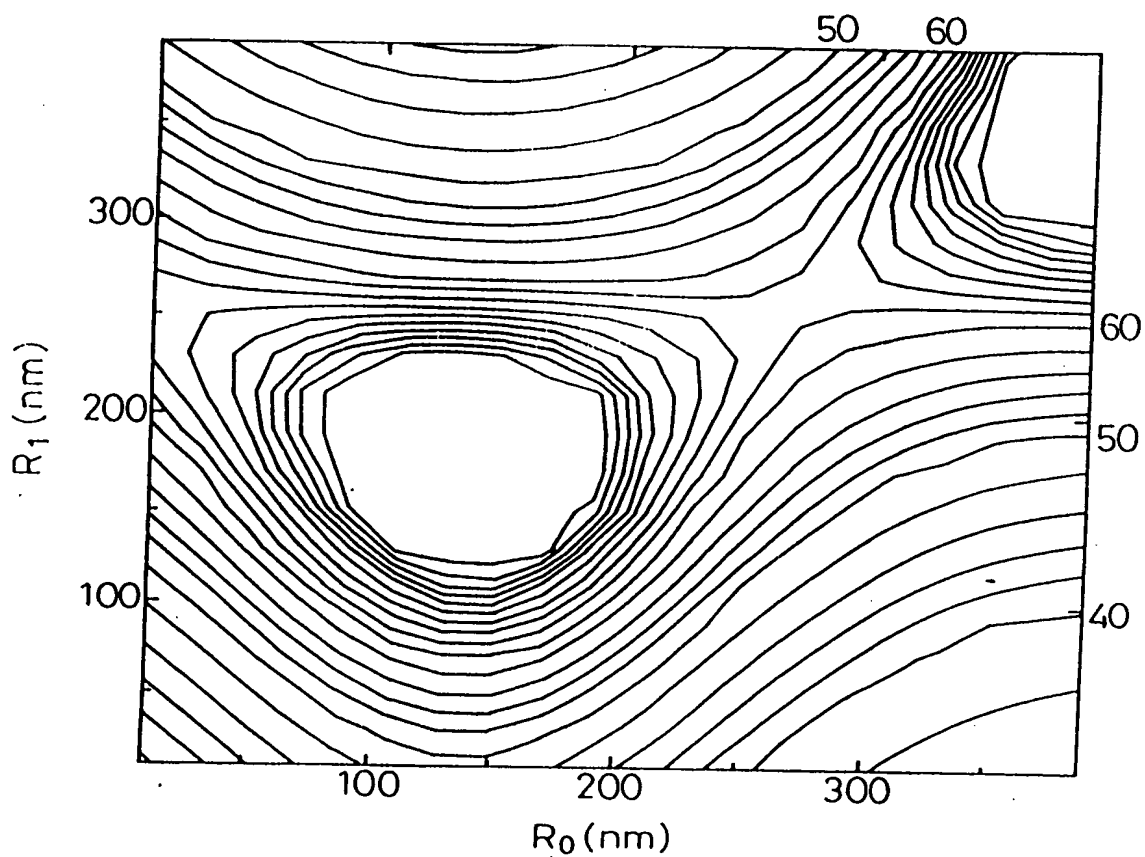
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Fig. 234



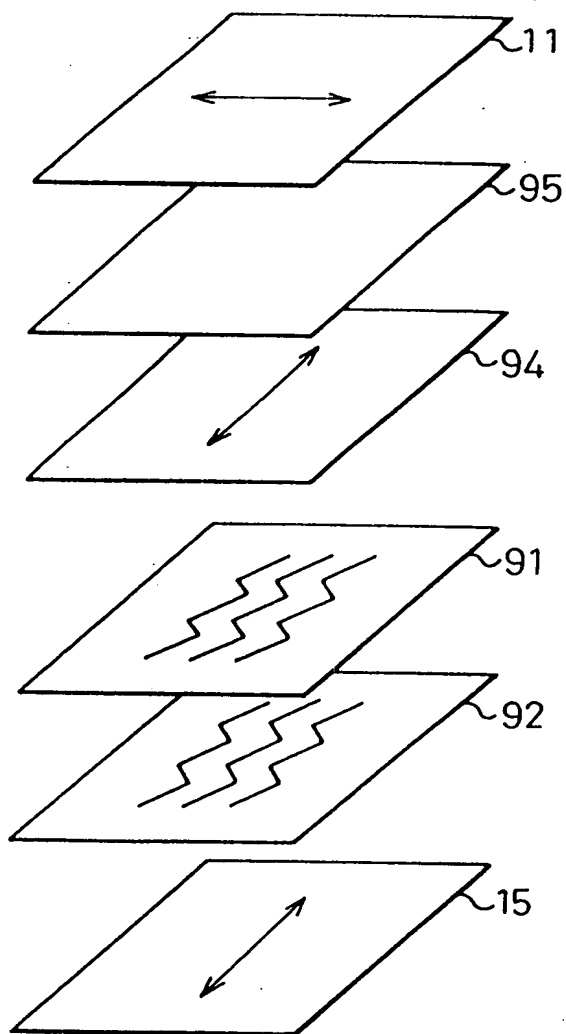
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Fig. 235



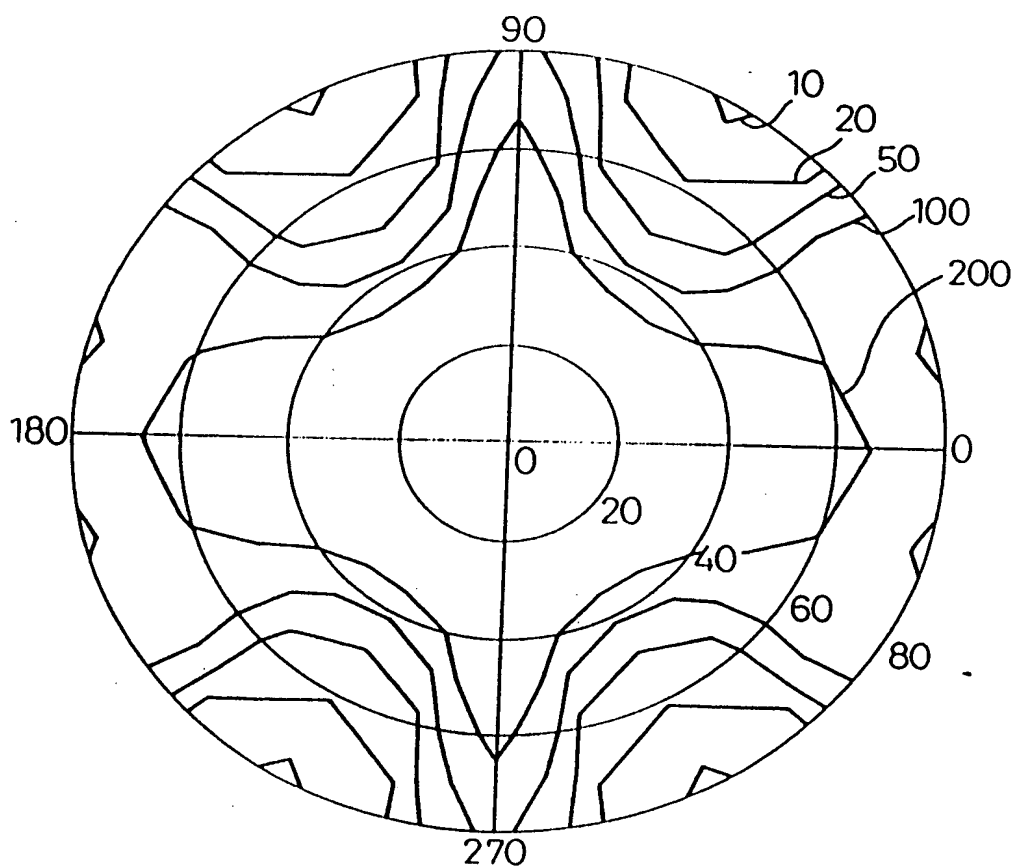
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Fig. 236



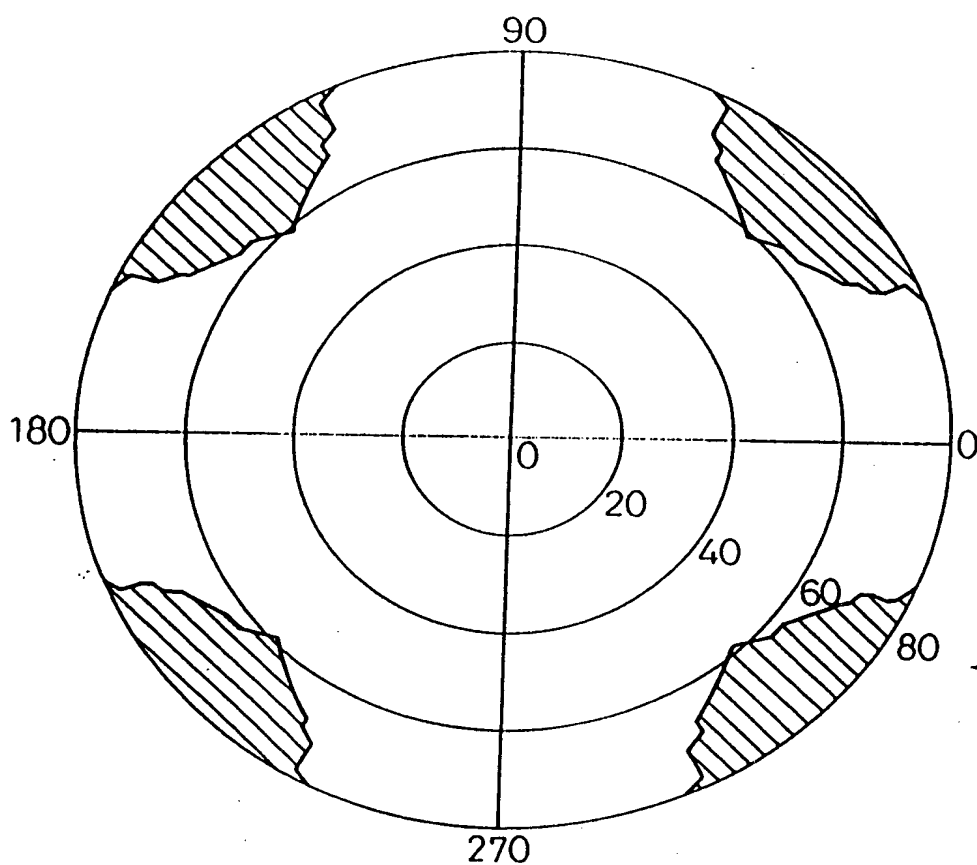
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246

Fig. 237



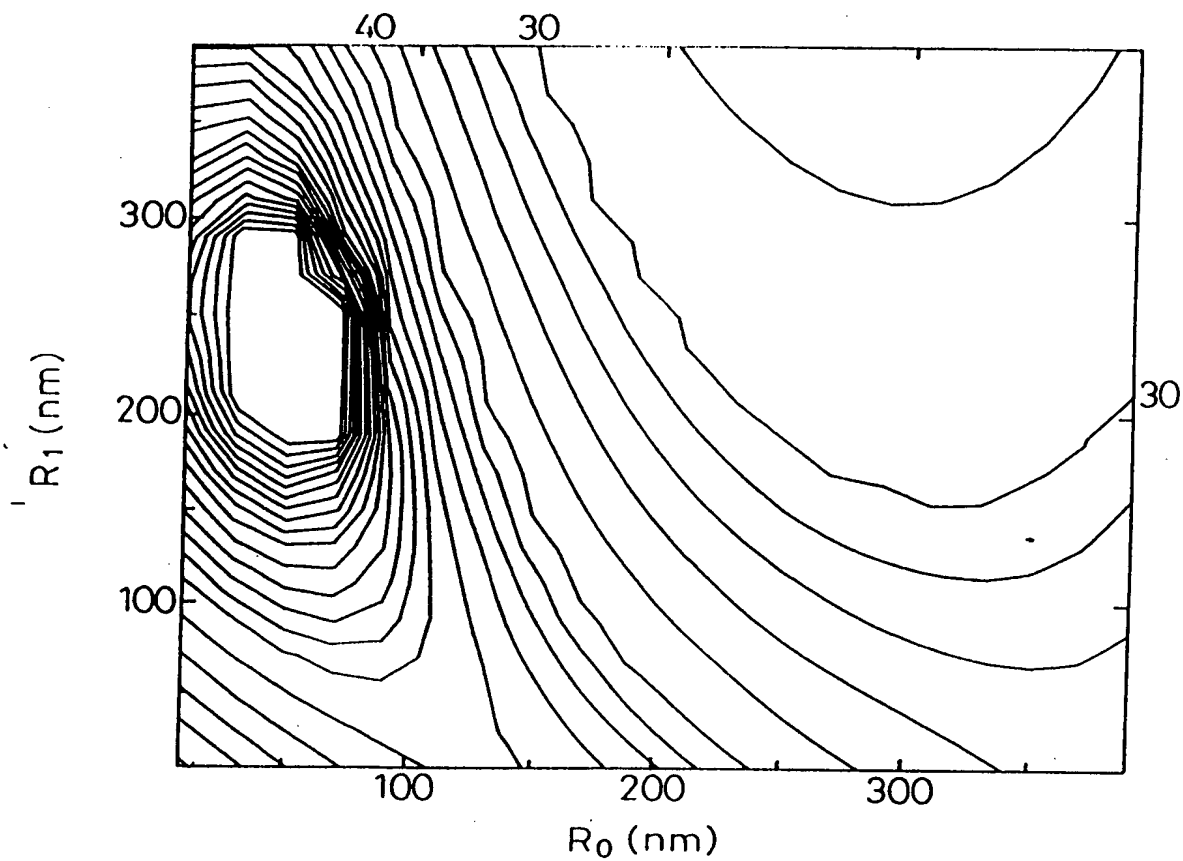
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246

Fig. 238



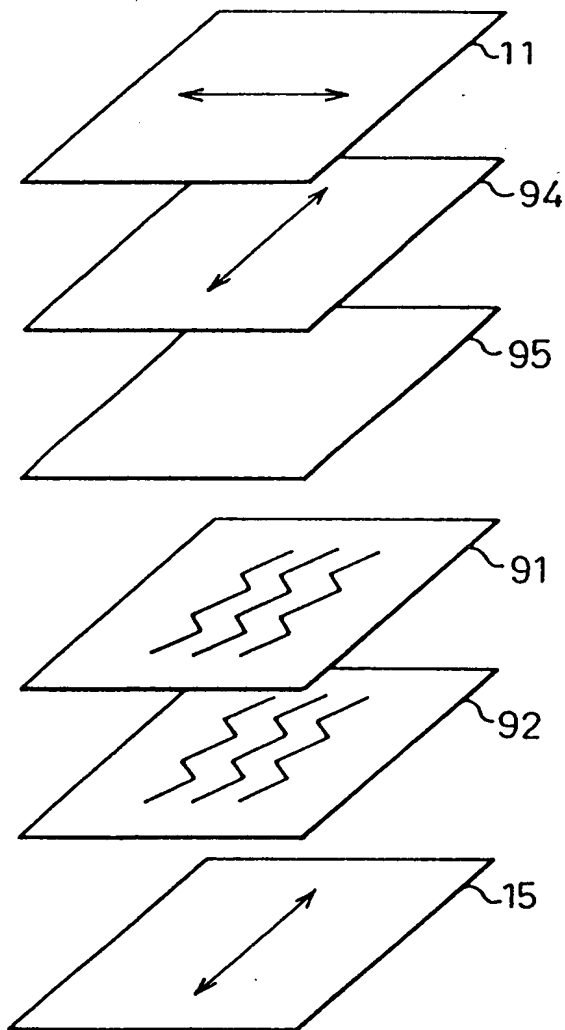
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Fig. 239



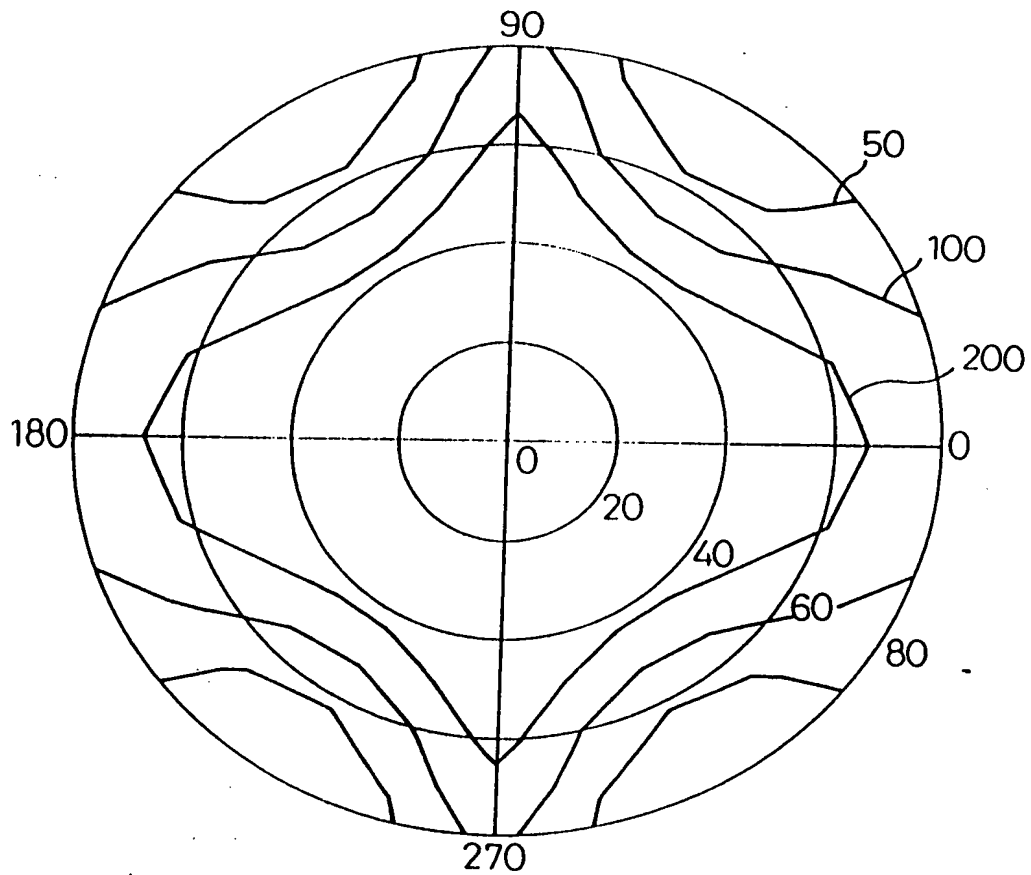
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Fig. 240



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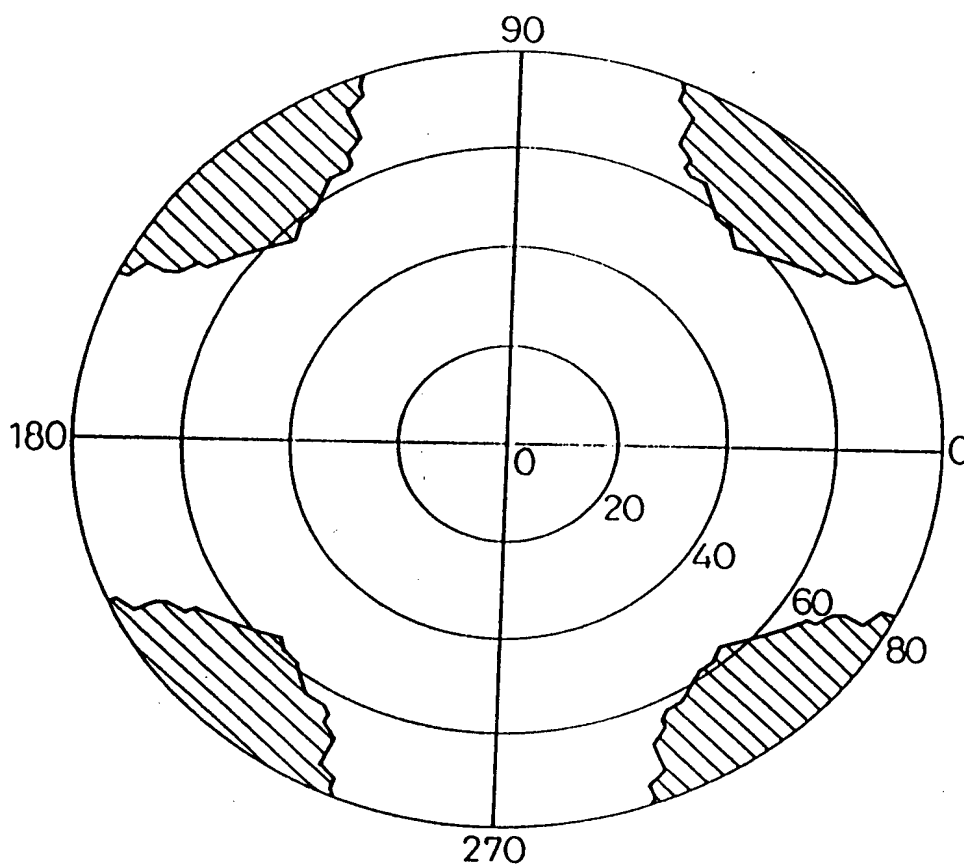
Fig. 241





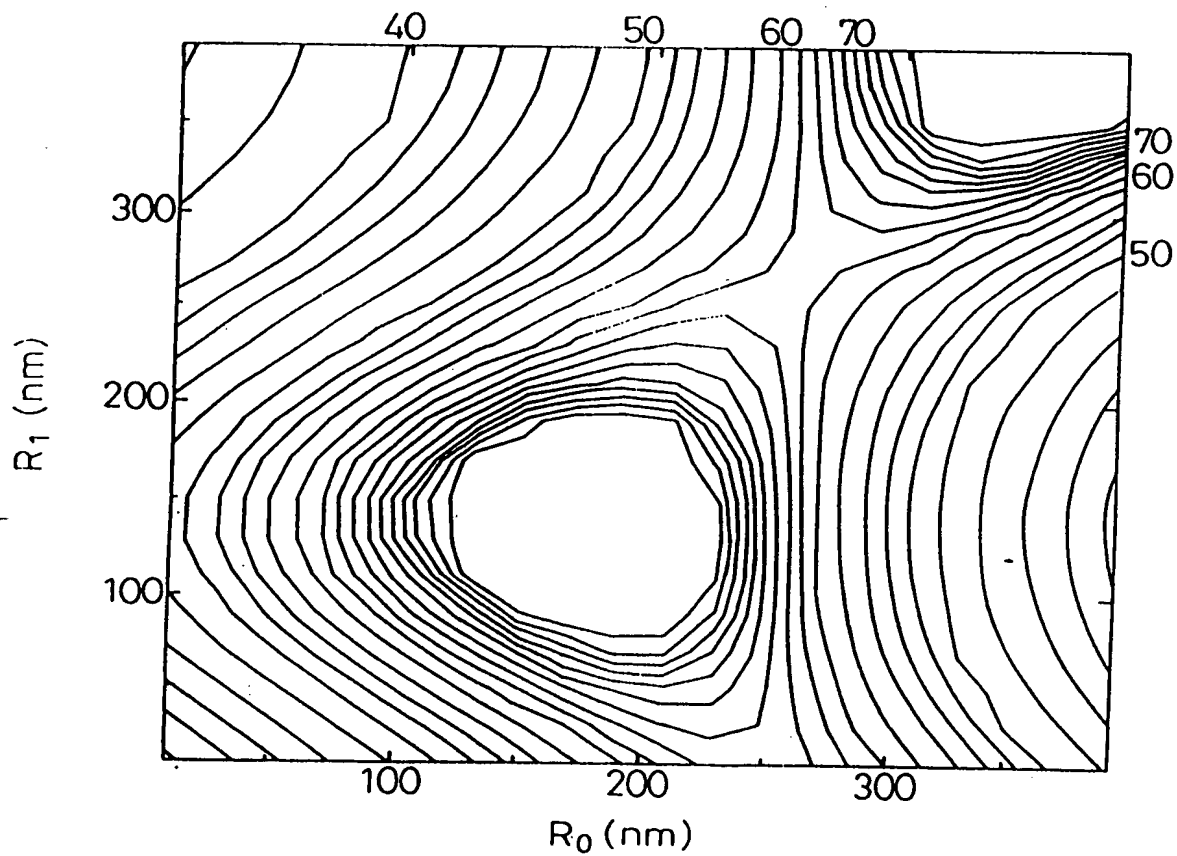
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Fig. 242



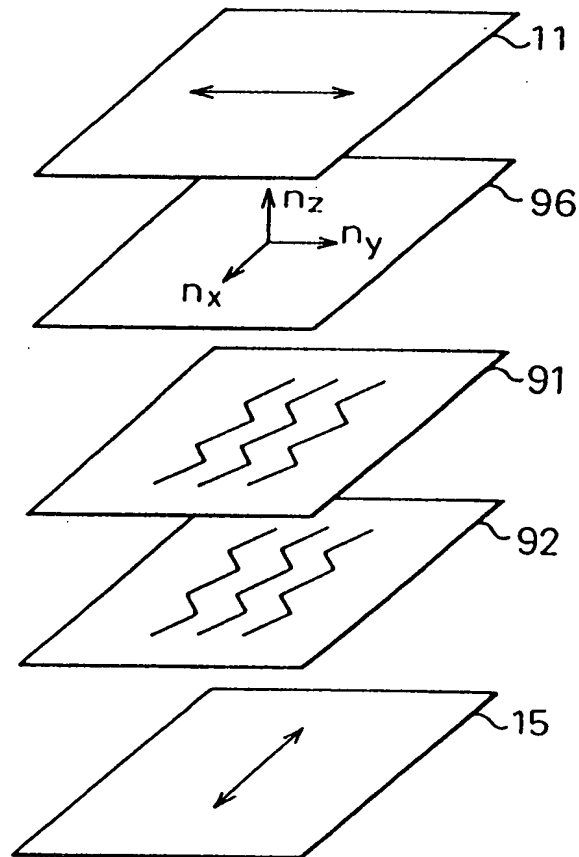
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Fig. 243



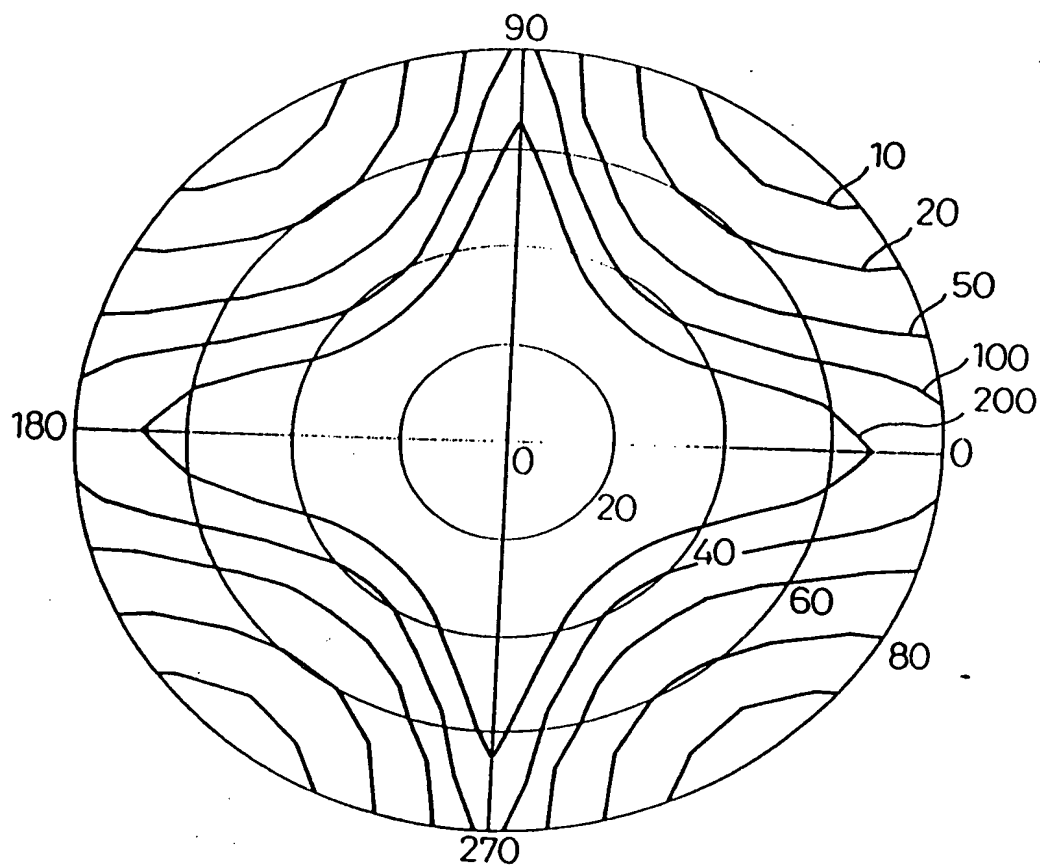
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Fig. 244



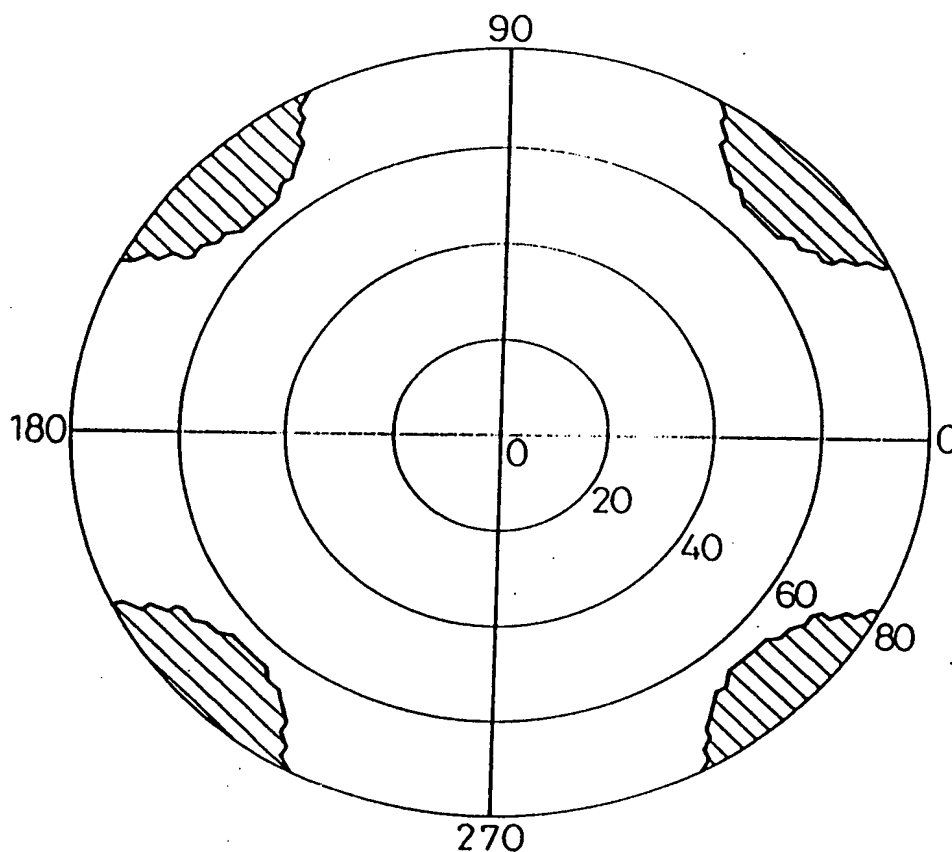
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Fig. 245



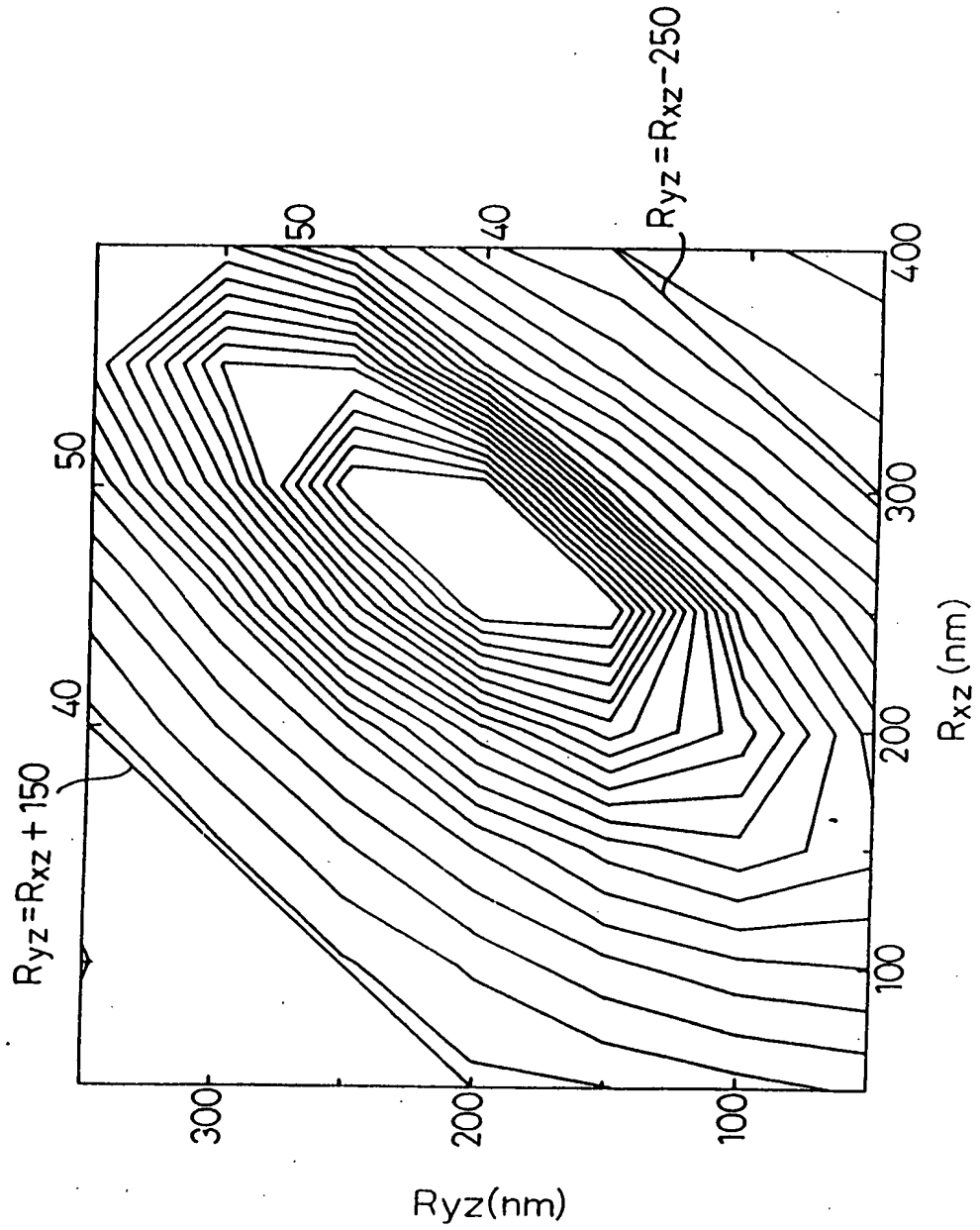
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Fig. 246



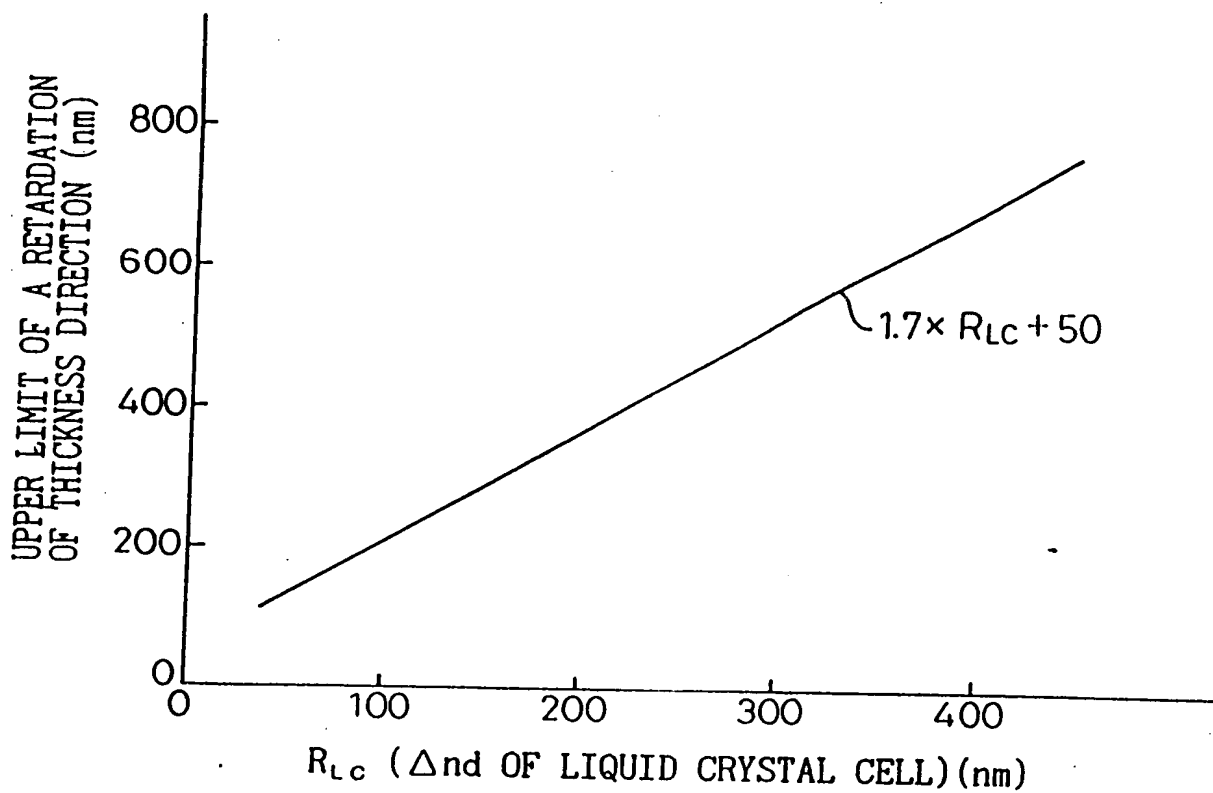
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Fig. 247



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Fig. 248



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Fig. 249

SAMPLE	THICKNESS OF A PANEL ( $\mu\text{m}$ ) R G B	GAP BETWEEN PROJECTIONS ( $\mu\text{m}$ ) R G B	PHASE DIFFERENCE FILM Rd VALUE (nm)	TRANS- MITTANCE % (5v)	VIEW ANGLE : CR > 10 LEFT-RIGHT DIRECTION	COLOR DIFFERENCE (5v: LEFT -RIGHT) $\Delta u(x)$   $\Delta v(y)$
EMBODIMENT A	5.7, 4.6, 3.6	20, 25, 30	320	5.60	$\pm 80^\circ$	0.03   0.03
EMBODIMENT B	5.7, 4.6, 3.6	20, 25, 30	320	5.60	$\pm 80^\circ$	0.03   0.05
PRIOR ART 1	R, G, B=3.6	R, G, B=30	240	4.50	$\pm 80^\circ$	0.06   0.05
PRIOR ART 2	R, G, B=4.6	R, G, B=30	320	5.80	$\pm 80^\circ$	0.14   0.12



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Fig. 250

EXAMPLES	INITIAL VALUES	AFTER 200 HOURS
EMBODIMENT C	25	42
EMBODIMENT D	33	51
EMBODIMENT E	26	45
EMBODIMENT F	30	48
REFERENCE	32	70

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Fig. 251A

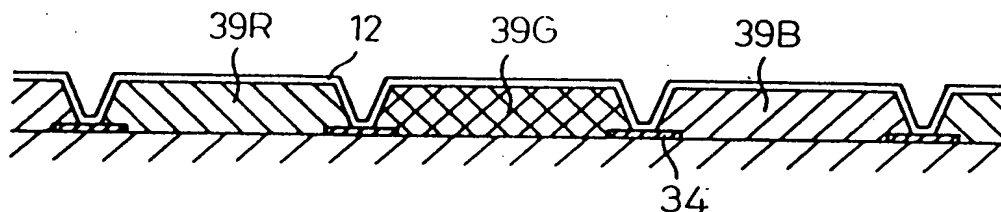


Fig. 251B

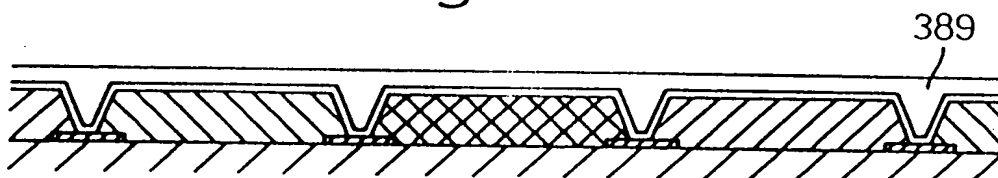


Fig. 251C

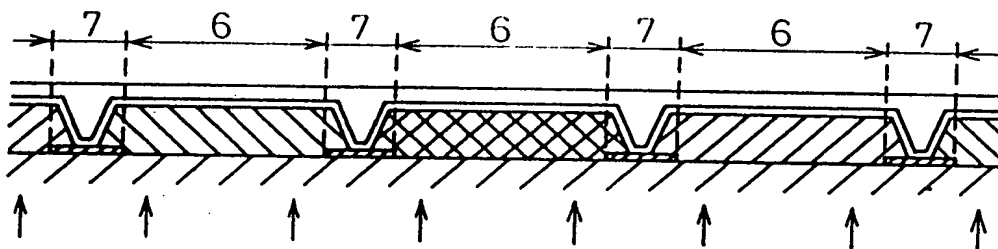
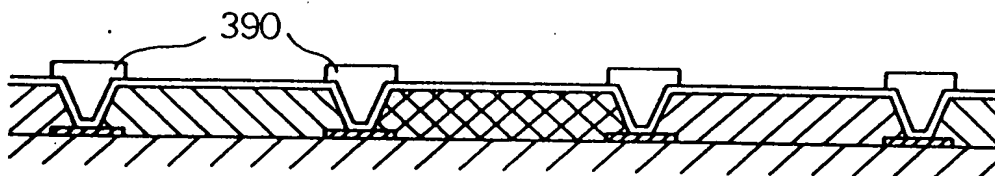


Fig. 251D



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Fig. 252A

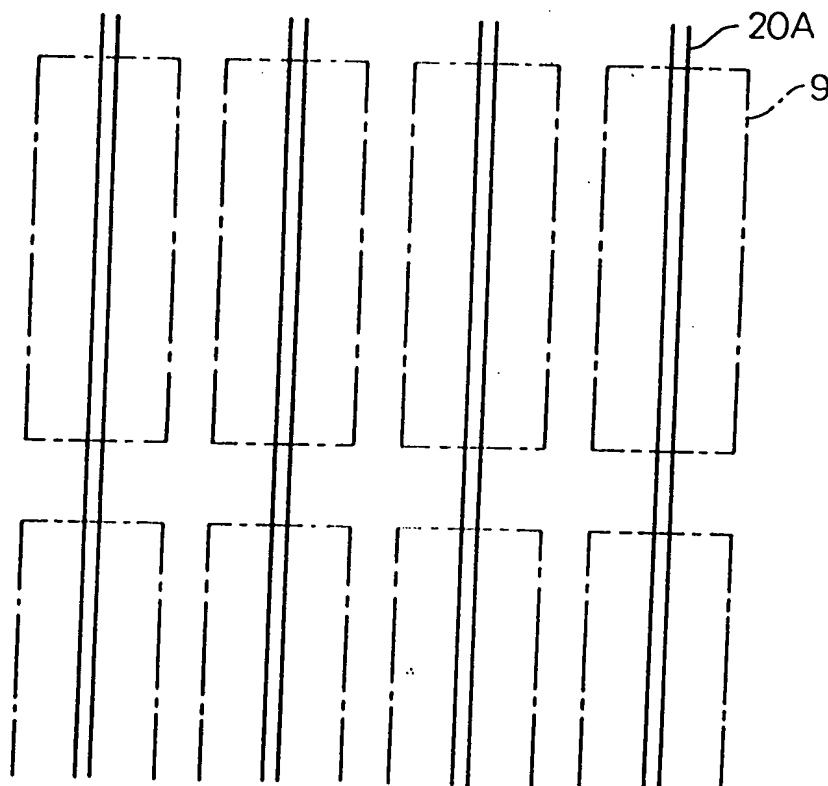
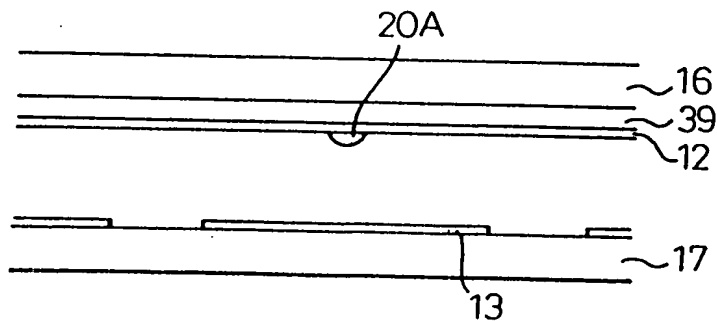
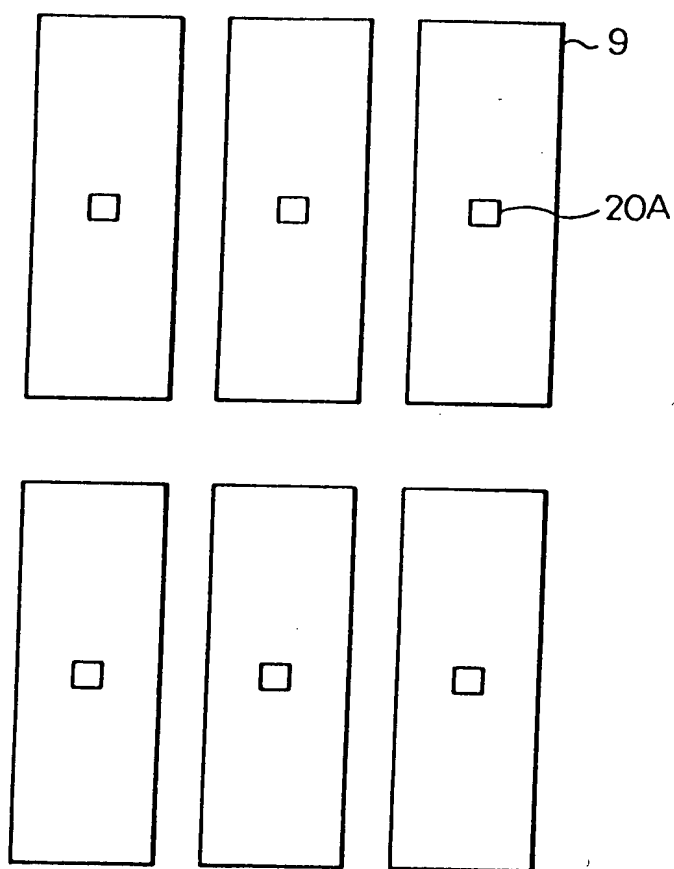


Fig. 252B



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Fig. 253



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Fig. 254A

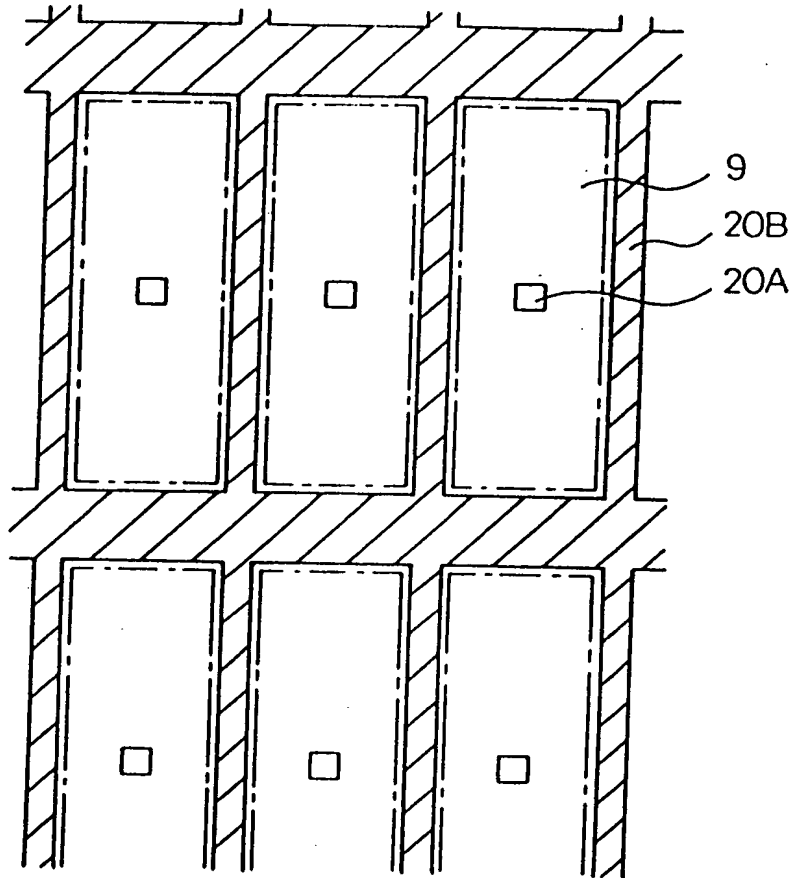
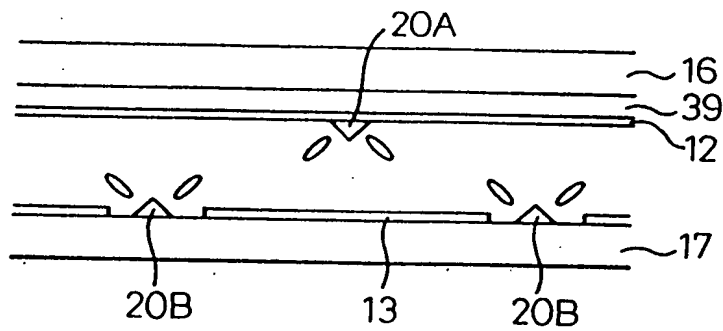
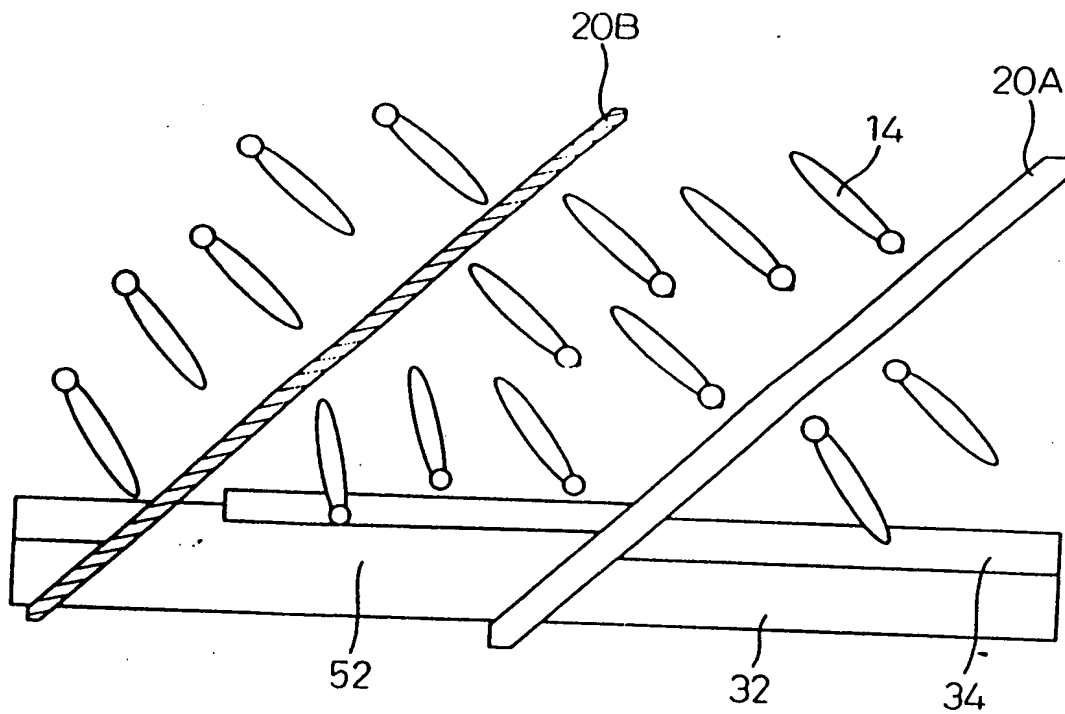


Fig. 254B



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Fig. 255



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